Issued June 1960

S.R.A. Bur. Ent. Wash.

UNITED STATES DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PLANT QUARANTINE DIVISION
WASHINGTON 25, D. C.

LIST OF INTERCEPTED PLANT PESTS, 1959

(Pests Arriving at United States Ports, July 1, 1958, Through June 30, 1959)

Compiled by
Bessie C. Mumford[1]
Plant Quarantine Aid

INTRODUCTION

This 46th report of interceptions summarizes the records of insect pests, plant pathogens, and certain other harmful organisms found in, on, or with plants, plant products, baggage, and means of conveyance (1) imported into or entering the United States or its possessions, (2) offered for entry but refused, (3) held in stores or quarters of planes or ships, (4) offered for entry for immediate transportation and exportation in bond, or (5) in domestic shipments to the mainland from the State of Hawaii and the offshore possessions, including the American Virgin Islands, Guam, and Puerto Rico.

The pests listed include insects, snails, fungi, bacteria, nematodes, and viruses causing injury of known or potential plant quarantine significance to the United States. Some common organisms are included if they are new to the country of origin or the host plant, or are of such limited distribution in the United States that they are worthy of mention.

The data for this list include identifications received during the fiscal year 1959 and represent some interceptions made during previous years. Determinations are largely made by specialists of the Entomology Research Division and Plant Quarantine Division, although a certain amount of this work is done by collaborating State officials. Snail identifications are made by taxonomists in the Division of Mollusks, U.S. National Museum. Some critical studies and identifications are made by specialists of the Crops Research Division, who also identify many of the host plants.

All scientific names are reviewed by specialists of the Crops Research Division to assure conformance to the International Rules of Nomenclature. However, in the disease tabulation the name of the stage found is usually listed rather than the perfect stage of the organism. Family names are listed with the insects in the tabulation; orders are given in the host list. The classes of the diseases are shown in the disease host list.

Every effort is made to give the correct origin for all collections listed. Occasionally, however, it is difficult to trace the true origin of stores in planes and ships. Questionable cases are omitted, listed with a question mark, or shown as unknown.

[1] Assistance was received from Alice J. Watson, mycologist, and Paul X. Peltier, entomologist.

COMMONWEALTH MYCOLOGICAL
9 SEP 19

AIRBORNE MATERIAL

The interceptions from airborne material totaled 8,033, about one-third of the interceptions for the year. There were 6,986 insects and snails, and 1,047 diseases and nematodes. This is an increase of 2,531 over last year, when the total was 5,502. Many important pests are included in this number. From airborne material there were 30 interceptions of the European cherry fruit fly, 50 of the Mediterranean fruit fly, 19 of the Mediterranean land snail, 12 of the Mexican fruit fly, 28 of the olive fruit fly, 14 of the oriental fruit fly, 6 of the pink bollworm, 72 of the West Indian fruit fly, 90 of the black spot of citrus, 17 of citrus canker, 5 of sweet orange scab, and 15 of the golden nematode. A possible high survival rate of pests arriving by air necessitates constant vigilance on the part of Plant Quarantine inspectors.

NOTES ON PESTS INTERCEPTED

The total number of interceptions made during the fiscal year 1959 was 25,296, as compared with 18,198 the previous year. Of these, 8,850 were considered of enough importance to be listed, as compared with 7,946 last year. This increase is in part accounted for by expanding commerce and travel. The opening of the St. Lawrence Seaway to ocean-going vessels has materially increased the number of ship arrivals and interceptions at Great Lakes ports.

FRUIT FLIES

A total of 502 fruit fly interceptions were identified to species as follows:

Anastrepha ludens, the Mexican fruit fly, (153 times) in grapefruit, mango, orange, peach, pear, pomegranate, ponderosa lemon, quince, sapote, and sweet lime in air baggage, baggage, quarters, and stores from Mexico; and in sweet lime in air baggage from Guatemala.

Anastrepha mombinpraeoptans, the West Indian fruit fly, (110 times) in guava in air baggage from Puerto Rico; in mango in air baggage, air quarters, baggage, cargo, quarters, and stores from the American Virgin Islands, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, and Trinidad; in purple mombin in air baggage and baggage from Cuba, El Salvador, Guatemala, Mexico, and Nicaragua; in *Spondias* sp. in air baggage from Cuba; in tropical almond in air baggage from Jamaica; in vi-apple in air baggage from El Salvador; and in yellow mombin in air baggage and air stores from Central America, Costa Rica, El Salvador, Guatemala, and Nicaragua.

Anastrepha serpentina (twice) in sapodilla in air baggage from Guatemala.

Anastrepha striata (twice) in guava in baggage from Mexico. *A. striata*(?) (twice) in guava in air baggage from El Salvador and in baggage from Mexico.

Anastrepha suspensa (6 times) in guava in air baggage from Cuba and in preflight inspection of air baggage and in airmail from Puerto Rico.

Ceratitis capitata, the Mediterranean fruit fly, (94 times) in apple in air baggage from Portugal, in air stores from Europe, and in baggage from Greece; in apricot in air stores from France and Italy; in Arabian coffee berries in air baggage, baggage, and mail from Hawaii; in coffee berries in air baggage from Brazil and Costa Rica, and in aircargo from Brazil; in fig in air baggage from Argentina and Italy, and in mail from Spain; in grape in baggage from Italy; in grapefruit in quarters and stores from Brazil, and in stores from Egypt; in guava in air baggage from Portugal; in loquat in air baggage from Tunisia, and in baggage from Italy; in Mandarin orange in air baggage from Italy, in air stores from Argentina, in baggage from Italy and Spain, and in stores from Cyprus and Syria; in orange in air baggage from Costa Rica, Israel and an unknown origin, in air stores from Italy and Spain, in baggage from Italy and Portugal, in quarters from Egypt, and in stores from Argentina, Egypt, Italy, and Spain; in peach in air baggage from Israel, Italy, Spain, and an unknown origin, and in stores from Europe and Spain; in pear in air baggage from Greece, Israel, and Italy; in pricklypear in air baggage and baggage from Italy; in pummelo in air baggage from Italy, and in stores from an unknown origin; in quince in air baggage from Italy, and

in baggage from Greece and Italy; and in tropical almond in baggage from Hawaii. *C. capitata*(?) (10 times) in Arabian coffee in air baggage and baggage from Hawaii; in coffee in air baggage from Brazil; in fig in air baggage from Italy; in Indiapoon beautyleaf seed pulp in air baggage from Hawaii; and in orange in air stores from Italy and the Union of South Africa, in mail from Italy, and in stores from an unknown origin.

Dacus cucurbitae, the melon fly, (9 times) an adult in an airplane from Japan(?); and in cucumber and tomato in stores from Hawaii.

Dacus dorsalis, the oriental fruit fly. (24 times) an adult in an airplane from Japan; in Arabian coffee in air baggage and mail from Hawaii; in avocado in baggage from Hawaii; in banana in baggage and quarters from Hawaii; in date in baggage from Hawaii; in guava in air baggage from Hawaii; in mango in air baggage and baggage from Hawaii; in papaya in air baggage from Hawaii; in passionflower fruit in mail from Hawaii; in pummelo in baggage from Hawaii; in tropical almond in air baggage from Hawaii; and in unidentified fruit in baggage from Hawaii. *D. dorsalis*(?) (5 times) in Arabian coffee in air baggage from Hawaii; in mango in air baggage and stores from Hawaii; and in tropical almond in mail from Hawaii.

Dacus oleae, the olive fly, (42 times) in olive in air baggage from Italy, Lebanon, Spain, Tunisia, and the Union of Soviet Socialist Republics and in baggage from Greece and Italy; and an adult with pumpkin seeds in air baggage from Italy. *D. oleae*(?) (once) pupa with olive in air baggage from Italy.

Dacus passiflorae (once) in *Degeneria vitiensis* fruit in aircargo from the Fiji Islands.

Dacus pedestris (twice) in *Melastoma malabatricum* and *Melastoma* sp. fruit in aircargo from the Federation of Malaya.

Euleia heraclei (twice) in celery in stores from England. *E. heraclei*(?) (twice) in parsley in air stores from England and an unknown origin.

Hexachaeta monostigma (once) adult with palm leaf in aircargo from Mexico.

Orellia punctata (once) adult with safflower seed heads in aircargo from Jordan.

Rhagoletis cerasi, the European cherry fruit fly, (31 times) in cherry in air baggage from France, Germany, Hungary, Italy, Poland, Portugal, Rumania, and Yugoslavia; in air stores from France, Italy, Portugal, and Spain; and in stores from Italy. *R. cerasi*(?) (once) in cherry in air baggage from Germany.

Toxotrypana curvicauda (once) in papaya in baggage from Mexico.

INSECTS OTHER THAN FRUIT FLIES

The following insects of unusual interest were intercepted:

Adoxophyes orana (Tortricidae) with apple in mail from Germany and on lilac in aircargo from the Netherlands.

Alcidodes dentipes (Curculionidae) with sweetpotatoes in stores from Sierra Leone.

Aleurocanthus woglumi (Aleyrodidae), the citrus blackfly, on *Citrus* sp. leaves in air baggage and baggage from Mexico and in mail from Jamaica, on lemon leaves in air baggage from Mexico, and on orange leaves in baggage from Mexico.

Aleurotuberculatus jasmini (Aleyrodidae) on jasmine leaf in aircargo from the Philippines.

Anthonomus rectirostris (Curculionidae) in cherry pits in air baggage from Germany.

Aspidiotus degeneratus (Coccidae) on camellia stem in mail from Japan, on Grecian laurel leaves in air baggage from Italy, and on laurel leaves in stores from Japan.

Baris lepidii (Curculionidae) in horseradish root in stores from Poland.

Blissus diplopterus (Lygaeidae) on apricots and Cape chinkerichee flowers in cargo from the Union of South Africa.

Brachycerus algirus (Curculionidae) in garlic in air baggage and baggage from Italy.

Callidium rufipenne (Cerambycidae) in dunnage, quarters, and wooden crates in cargo and mail from Japan.

Carposina niponensis (Carposinidae) in apples in air baggage, air quarters, air stores, quarters, and stores from Japan.

Cenopalpus pulcher (Tenuipalpidae) on almond scion in aircargo from Iran and on pear scion in airmail from France.

Ceroplastes rusci (Coccidae) on fig leaves in air baggage from Argentina and in baggage from Greece.

Chilo suppressalis (Crambidae), the Asiatic rice borer, in rice straw in air baggage, mail, and stores from Japan; in rice straw jackets in air baggage from Spain; and in rice straw mats in dunnage from Japan.

Chionaspis asiatica (Coccidae) on Mazzard cherry scions in airmail and mail from Iran.

Chirothrips pretorianus (Thripidae) with *Eragrostis* spp. seeds and various other seeds in mail from the Union of South Africa.

Clysiana ambiguella (Phaloniidae) in grape in baggage from Italy.

Conotrachelus aguacatae (Curculionidae) in avocado in baggage from Guatemala and Mexico and in cargo from Mexico.

Cryptophlebia leucotreta (Olethreutidae) in grapefruit in stores, Mandarin orange in baggage, and orange in quarters from the Union of South Africa; and in orange in air baggage from an unknown origin.

Cylas formicarius var. (Curculionidae) in sweetpotato in cargo from Hong Kong and in stores from the Dominican Republic, and in an unidentified vegetable in baggage from the Dominican Republic.

Dialeurodes kirkaldyi (Aleyrodidae) on crapemyrtle in air baggage and air stores from Australia, on cut flowers in air baggage from Cuba, on jasmine in air baggage from Hawaii and air stores from Japan, on Mexican frangipani leaves in mail from Hawaii, and on orange leaf in air baggage from Tahiti.

Diaprepes abbreviatus (Curculionidae) as stowaway on airplane from the Dominican Republic and on air baggage in preflight inspection in Puerto Rico.

Dichocrocis punctiferalis (Pyraustidae) on Japanese white pine in baggage from Japan.

Euscepes postfasciatus (Curculionidae) in sweetpotato in baggage from Hawaii and Puerto Rico, in cargo from St. Kitts and Tortola, and in stores from Brazil and Trinidad; and in *Ipomoea* sp. in stores from Venezuela.

Frankliniella intonsa (Thripidae) on carnation in air baggage from Germany and Poland and in air quarters from an unknown origin, on assorted flowers and lavender plant in air baggage from England, on geranium plant in air baggage from Belgium, on painted daisy in air baggage from Finland, and on roses in air baggage from France and Germany.

Gnorimoschema ocellatella (Gelechiidae) in beets in stores from Egypt.

Grapholitha janthiana (Olethreutidae) in apple in air baggage from France.

Icerya seychellarum (Coccidae) on *Rhapis* sp.(?) in air baggage from the Philippines.

Ips typographus (Scolytidae) in bark on wooden crate in aircargo from Germany, in pine crate in baggage from Norway, and on wood crating in cargo from Sweden.

Lepidosaphes pini (Coccidae) on pine in air baggage and airmail from Japan.

Leucinodes orbonalis (Pyraustidae) in *Solanum* sp. fruit in air baggage from Liberia.

Lobesia botrana (Olethreutidae) in grape in air stores from France.

Mamestra brassicae (Noctuidae) as stowaway on airplane from Guam(?) and in cabbage in stores from France and Japan.

Maruca testulalis (Pyraustidae), a bean pod borer, in *Canavalia microcarpa* in preflight inspection of air baggage leaving Hawaii for the mainland; in mauna loa leis in baggage from Hawaii; in pigeonpeas in air baggage, baggage, and cargo from Puerto Rico; in string beans in cargo from Puerto Rico and in stores from Brazil and Trinidad; and in *Sesbania grandiflora* flowers in mail from Hawaii.

Megastigmus suspectus pinsapinis (Torymidae) in Cedar-of-Lebanon seed in mail from Turkey.

Pectinophora gossypiella (Gelechiidae), the pink bollworm, in cotton bolls in air baggage from Cuba, Jamaica, Hawaii, and Trinidad and in baggage from Mexico; in cottonseed in air baggage from Puerto Rico, in baggage from Brazil, Hawaii, and Mexico, and in quarters from Mexico; in seed cotton in quarters from Mexico; and in okra pods in air baggage, cargo, and stores from the Dominican Republic.

Phlyctinus callosus (Curculionidae) in grape in cargo from the Union of South Africa.

Pityogenes chalcographus (Scolytidae) in pine in baggage from Norway and in cargo from Sweden, in spruce bark in cargo from Belgium, and in wood crating in cargo from Belgium and Sweden.

Prays oleellus (Hyponomeutidae) in olive pits in air baggage from Greece, Lebanon, and Turkey.

Sesamia cretica (Noctuidae), the durra stem borer, in broomcorn in baggage from Italy and in mail from Greece.

Stephanoderes hampei (Scolytidae) in coffee in aircargo from Aruba and in cargo from the Belgian Congo and Brazil.

Tetranychus viennensis (Tetranychidae) on apple in aircargo, on *Pyrus* sp. in air stores, and on sand pear in air baggage from Japan.

Thrips major (Thripidae) on carnations in air baggage from Poland, on assorted flowers in air baggage from England and Ireland, on heather in air baggage from England and Scotland, on mimosa flowers in aircargo from France, on pussywillow buds in air baggage from France, and on roses in air baggage from Belgium, England, France, and Germany.

Trogoderma granarium (Dermestidae), the khapra beetle, in bagging in cargo from England and the Netherlands and in stores from Singapore; in beans in stores from

Formosa; in chickpea in stores from Greece; in durum wheat in mail from Iran; in flax seed in mail from Afghanistan; in flour in quarters from England; in lentils in stores from Egypt; in peanuts in cargo and quarters from an unknown origin, in quarters from Nigeria(?), and in stores from Singapore; in rice in cargo from Pakistan, in quarters from India, and in stores from Australia, Formosa, India, Japan, and an unknown origin; with residue of titanium oxide in cargo from an unknown origin; and in dry stores from Australia, Formosa, and an unknown origin.

SNAILS

Achatina fulica, the giant African snail, was intercepted twice from Hawaii with baggage and mail.

Bradybaena similaris was intercepted 51 times on various flowers and foliage; 45 times from Hawaii, twice each from Bermuda and Brazil, and once each from Cuba and Hong Kong.

Cochlicella barbara with military cargo from Morocco and in soil with fig cuttings in mail from Italy.

Cochlicella ventrosa with military cargo from Morocco and in soil in cargo from Italy.

Euglandina striata was intercepted twice on bananas in cargo from Ecuador.

Theba pisana, the Mediterranean land snail, was intercepted 92 times; 59 from Morocco on general cargo, military cargo, and wooden crates; 10 from France on military cargo, spinach in stores, and wooden crates in aircargo and cargo; 9 from Libya on military cargo; 7 from Italy on air baggage and military cargo; 4 from North Africa on military cargo; once from Cuba on string beans in stores; once from Turkey on military cargo; and once from an unknown origin on general cargo.

Xeroleuca mograbina, a species not previously in the U.S. National Museum collection, on military cargo from Morocco.

Other snails intercepted and worthy of mention were: *Arion circumscriptus*, *Cecilioides acicula*, *C. aperta*, *Deroceras reticulatum*, *Fossaria truncatula*, *Helicella caperata*, *H. itala*, *H. maritima*, *H. neglecta*, *H. pyramidata*, *H. striata*, *H. trochoides*, *Helix figulina*, *Hygromia cinctella*, *Lamellaxis gracilis*, *L. mauritianus*, *Limax marginatus*, *L. maximus*, *Melanoides tuberculata*, *Milax gagates*, *Monacha catiana*, *M. schotti*, *Otala lactea*, *O. vermiculata*, *Oxychilus alliarius*, *O. cellarius*, *Porphyrobaphe isotoma*, *Solaropsis monile*, *Testacella maugei*, and *Zonitoides arboreus*.

DISEASES

The sweet orange scab (*Elsinoe australis*) was intercepted 97 times; 57 came from Brazil on lemon, Mandarin orange, orange, and sweet lime; 38 from Argentina on lemon, Mandarin orange, and orange; and 1 each from Paraguay and an unknown origin on Mandarin orange.

Citrus canker (*Xanthomonas citri*) was intercepted 83 times; 68 came from Japan, 5 from China, 3 each from Hong Kong and India, 2 from Ceylon, and 1 each from the Philippines and an unknown origin. These interceptions were taken from the following hosts: *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, orange, sour lime, and sour orange.

Cancrosis B (*Xanthomonas* sp.) was intercepted 11 times; 8 came from Argentina on lemon, 2 from Brazil on lemon, and 1 from Uruguay on lime.

The black spot of citrus (*Phoma citricarpa*; perfect stage—*Guignardia citricarpa* Kiely) was intercepted 230 times; 67 came from the Union of South Africa; 42 from Hong Kong; 33 from Japan; 28 from Australia; 17 from China; 15 from an unknown origin; 10 from Formosa; 3 each from Mozambique, Okinawa, and the Philippines; 2 from Argentina; and 1 each from Africa, Brazil, Eniwetok, Federation of Malaya, India(?), Singapore, and Vietnam(?). These interceptions were taken from the following hosts: *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, orange, and Satsuma orange.

Other disease interceptions of interest were:

Cercospora grandissima on dahlia leaf in aircargo from Argentina.

Cercospora henningsii on cassava leaf in air baggage from Trinidad.

Cercospora pancratii on hymenocallis leaves in baggage from Mexico.

Chrysomyxa ledi var. *rhododendri*, the rhododendron-spruce rust, was intercepted 24 times on rhododendron in air baggage, airmail, baggage, and mail from Austria, Canada, Germany, Switzerland, and an unknown origin.

Cryptocline paradoxa on English ivy 'Baltic' in cargo from the Netherlands.

Macrophoma araucariae on Norfolk-Island-pine seed in cargo from Hawaii.

Nematospora coryli on beans in aircargo from Peru.

Phyllostictina psidiicola on guava in aircargo from the Philippines.

Puccinia arachidis on peanut in aircargo, airmail, and mail from Paraguay.

Puccinia carthami on safflower leaves in aircargo from Portugal.
Puccinia horiana on chrysanthemum cut flowers in air baggage from Australia.
Puccinia laguri on *Lagurus ovatus* (grass) in cargo from Spain.
Ring spot virus on watermelon in cargo from Mexico.
Sphenospora kevorkianii on *Epidendrum* sp. leaf in air baggage from the Bahamas, and in aircargo from Honduras; on *Ionopsis utricularioides* leaf in air baggage from Jamaica; and on *Oncidium pulchellum* leaf in air baggage from the Dominican Republic.
Uredo oncidii on *Epidendrum* sp.(?) leaf in air baggage from Nicaragua; and on *Oncidium* spp. in aircargo from Costa Rica, in air baggage from El Salvador, in air baggage and aircargo from Guatemala, in air baggage from Honduras, in aircargo and cargo from Mexico, and in aircargo from Venezuela. *U. oncidii*(?) on *Oncidium pusillum* in airmail from the Canal Zone.
Uromyces fabae on lentils in cargo from Chile.
Uromyces trifolii on Persian clover leaf and seed in mail from Iraq.

NEMATODES

The oat nematode (*Heterodera avenae*) was intercepted a total of 18 times from the following countries: Czechoslovakia, Denmark, England, France, Germany, Japan, Netherlands, and Portugal. These interceptions were taken from soil and soil with the following: Amaryllis and kafirlily, automobiles, chrysanthemum, dahlia, gladiolus, orchid, rutabaga turnip, strawberry, and unknown plants.

The golden nematode (*Heterodera rostochiensis*) was intercepted a total of 82 times from: Argentina, Azores, Belgium, Canary Islands, England, France, Germany, Ireland, Mexico, Netherlands, Norway, Peru, Poland, Scotland, Sweden, and an unknown country. These interceptions were taken from soil samples and from soil with Army tanks, new and used automobiles, bulbs, other plant material, and vegetables.

Other nematodes of special interest were:
Anguina tritici on wheat in baggage from Italy.
Criconemoides informe on unidentified plant in baggage from Mexico.
Gottholdsteineria goodeyi on celery in stores from Norway, in soil with leek in stores from Germany, in soil with carrot in stores from the Netherlands, and in soil with plants in air baggage from Ireland.
Helicotylenchus erythrinae in soil with juniper and mountainash plants in air baggage from Finland.
Helicotylenchus nannus in beet in stores from Ceylon and in soil in air baggage from the American Virgin Islands.
Heterodera humuli(?) in soil with hops in airmail from Yugoslavia.
Heterodera punctata(?) in soil with yam in stores from Japan.
Hoplolaimus proporicus in soil with palm in air baggage from Nicaragua.
Pratylenchus brachyurus in soil with roots of miscellaneous plants in aircargo from British Honduras and in potato tubers in stores from Brazil.
Pratylenchus coffeae in dahlia in mail from the Union of South Africa.
Pratylenchus convallariae in lily-of-the-valley in baggage from England and in cargo from Denmark.
Radopholus similis on India banana in baggage from Hawaii. *R. similis*(?) in soil with miscellaneous plant roots in air baggage from Panama.
Tylenchorhynchus dubius in begonia in air baggage from Belgium, in soil with carrot in stores from the Netherlands, and in soil with miscellaneous plants in air baggage from Italy.
Tylenchorhynchus leptus in soil with tarragon plant in air baggage from France and in soil with juniper and mountainash plants in air baggage from Finland.
Tylenchorhynchus nothus in soil with horseradish in stores from Denmark.
Tylenchus thornei in soil with plant in baggage from Mexico.
Xiphinema americanum in soil with *Beaucarnea* sp. in cargo from Mexico.

The following species of *Meloidogyne* were intercepted from various bulbs, corms, plants, roots, and vegetables: *Meloidogyne arenaria, M. arenaria thamesi, M. hapla, M. incognita, M. incognita acrita,* and *M. javanica.* They were intercepted from the following countries: Algeria, Argentina, Australia, Barbados, Brazil, Canada, Canal Zone, Ceylon, Chile, Colombia, Cuba, Czechoslovakia, Dominican Republic, Egypt, England, France, French West Africa, Germany, Guatemala, Honduras, Hong Kong, India, Israel, Italy, Japan, Mexico, Netherlands, New Guinea, New Zealand, Peru, Puerto Rico, Spain, Trinidad, and the Union of South Africa.

INCOMPLETELY DETERMINED PESTS

Specific determinations are sometimes impossible or impracticable due to the stage or condition of the insects or pathogens, or the fact that they are undescribed. Many of these pests may be of economic importance, hitherto unreported from the United States, unknown for the host plant, or unreported from the country of origin. As a matter of record they are included in this separate list, but not in the table. During the fiscal year 1959 there were 2,603 insects and 852 diseases and nematodes, or a total of 3,455 incompletely determined interceptions which are considered to be potential pests.

FRUIT FLIES

There were 181 fruit fly interceptions which were incompletely determined as follows:

Anastrepha sp., possibly *acris* Stone, at Miami, Fla., an adult in an airplane from Central America.

Anastrepha sp., probably *fraterculus* (Wied.), at Miami, Fla., in coffee berries in air baggage from Colombia; and in purple mombin in air baggage from Costa Rica.

Anastrepha sp., possibly *ludens*, at Brownsville, Tex., in orange and sweet lime in baggage from Mexico; at Nogales, Ariz., in orange and mango in baggage from Mexico; and at Tampa, Fla., in orange in air quarters from El Salvador.

Anastrepha sp., possibly *mombinpraeoptans*, at El Paso, Tex., in guava in baggage from Mexico; at Key West, Fla., in mango in air baggage and baggage from Cuba; at Miami, Fla., in mango and purple mombin in air baggage from Cuba, Ecuador, Guatemala, and Nicaragua; at New Orleans, La., in guava in air baggage from Guatemala, and in mango and yellow mombin in air baggage from Venezuela; at New York, N.Y., in mango in air baggage from Jamaica and in baggage from Trinidad; and at San Pedro, Calif., in yellow mombin in air baggage from Nicaragua.

Anastrepha sp., probably *serpentina*, at Brownsville, Tex., in mamey sapote in air baggage from Nicaragua; at El Paso, Tex., in mamey sapote in baggage from Mexico; and at Miami, Fla., in mamey in air baggage from Cuba, and in sapodilla in air baggage from Curacao, N.W.I.

Anastrepha sp., probably *striata*, at El Paso, Tex., in guava from Mexico; at Hoboken, N.J., in guava in cargo from Panama; at Laredo, Tex., in guava in baggage from Mexico; at New Orleans, La., in guava in air baggage from Costa Rica; at Nogales, Ariz., in guava in baggage from Mexico; and at Roma, Tex., in guava in baggage from Mexico.

Anastrepha sp., probably *suspensa*, at Chicago, Ill., in guava in air mail from Puerto Rico; and at San Juan, P.R., in guava in air baggage from the Dominican Republic and preflight inspection of baggage from Puerto Rico.

Anastrepha sp. was intercepted a total of 80 times at the following ports: Arlington, Va., Baltimore, Md., Brownsville, Tex., Charleston, S.C., Eagle Pass, Tex., El Paso, Tex., Galveston, Tex., Hoboken, N.J., Laredo, Tex., Miami, Fla., Mobile, Ala., New Orleans, La., New York, N.Y., Nogales, Ariz., San Juan, P.R., San Pedro, Calif., San Ysidro, Calif., and Tampa, Fla. The hosts were: Apple, cherimoya, coffee berries, grapefruit, guava, lime, loquat, mamey, mamey sapote, mango, *Matisia cordata*, orange, passionflower fruit, peach, pear, plum, pummelo, purple mombin, quince, red mombin, rose-apple, sapodilla, soursop, star-apple, tropical almond, unidentified fruit, and yellow mombin. These interceptions were taken from air baggage, aircargo, air quarters, air stores, baggage, cargo, quarters, and stores from: Brazil, British Honduras, Chile, Colombia, Costa Rica, Cuba, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Trinidad, an unknown origin, and Venezuela.

Ceratitis sp., probably *capitata*, at New York, N.Y., in apricot in cargo from the Union of South Africa.

Dacus sp. at Boston, Mass., in cucumber in stores from French West Africa and in white marrow in stores purchased in Aden, probably of Egyptian origin; at Honolulu, Hawaii, in Arabian coffee in preflight inspection of air baggage, in mango in air quarters from the Philippines, and in stores from Borneo, in passionflower fruit in preflight inspection of air baggage, in sour cherry in air stores from Australia, and in Cattley guava and guava in aircargo from the Philippines; and at San Pedro, Calif., in fruit of Solanaceae in baggage from Hawaii.

Neotephritis sp. at Washington, D.C., in escorsionera seed heads in mail from Mexico.

Rhagoletis sp., possibly *cerasi*, at Detroit, Mich., in cherries in air baggage and air quarters from an unknown origin.

Rhagoletis sp. at Brownsville, Eagle Pass, and Laredo, Tex., in apple in baggage from Mexico; at New York, N.Y., in cherry in air stores from an unknown origin; at Nogales, Ariz., in tejocote in baggage from Mexico; at San Antonio, Tex., in apple in aircargo from Mexico; and at Washington, D.C., in *Carthamus glaucus* seed in cargo from Iraq.

Tephritinae at Honolulu, Hawaii, attached to receptacle of chrysanthemum flower in air quarters from Japan.

Twenty-four interceptions identified to family only, Tephritidae, were taken from air quarters, Araceae fruit, avocado, cactus leaf, carnation flower, *Centaurea* sp., chestnut, dried pepper, globe artichoke, green fig and bark of fig cutting, *Ochrosia elliptica*, orange, pear, tomato, and wheat seed. These were found in air baggage, air quarters, baggage, cargo, mail, quarters, and stores from: Argentina, Brazil, Formosa, France, Haiti, Hawaii, Iraq, Italy, Liberia, Mexico, Spain, Trinidad, the Union of South Africa, and an unknown origin.

Tephritis sp. at Washington, D.C., in *Podolepis aristata* seeds in aircargo from Australia. Possibly *Tephritis* or a related genus at Eagle Pass, Tex., on chrysanthemum flower in cargo from Mexico.

INSECTS OTHER THAN FRUIT FLIES

Among the incompletely determined insects of interest, other than fruit flies, were the following:

Agriotes sp., probably *lineatus* (L.) (Elateridae), at Chicago, Ill., in soil with shamrock plant in mail from England.

A new species of aleyrodid, genus near *Aleurodicus*, in the subfamily Aleurodicinae, at Brownsville, Tex., on orchid plants in cargo from Mexico.

Aleuroplatus sp. (Aleyrodidae), undescribed, at Nogales, Ariz., on bougainvillea in baggage from Mexico.

Aleyrodidae, apparently a new genus and new species, at Washington, D.C., on *Citropsis* sp. leaf in mail from the Belgian Congo.

Allocorhynus sp. (Curculionidae), an interesting weevil, at Brownsville, Tex., on *Dioon edule* in cargo from Mexico.

Blastodacna sp. (Cosmopterygidae) at Hoboken, N.J., on *Crataegus* sp. stem in cargo from the Netherlands.

A mite, *Brevipalpus* n. sp. (Tenuipalpidae) at Jacksonville, Fla., on lemon in stores from Panama.

Byturus sp., probably *tomentosus* (F.) (Byturidae), at New York, N.Y., in raspberries in air baggage from England.

Cladius sp., probably *difformis* (Panz.) (Tenthredinidae), at Chicago, Ill., on rose in airmail from Germany; and at New York, N.Y., on rose in air baggage from England.

Cleonus sp. (Curculionidae) at Houston, Tex., in beet in stores from France; and at New York, N.Y., in beet in stores from Italy.

Curculionidae, genus unknown, at Philadelphia, Pa., in Kola nut in quarters from Sierra Leone.

Diaprepes sp., evidently *famelicus* (Ol.) (Curculionidae), at New York, N.Y., on lily in aircargo from Bermuda.

Dinomachellus sp., near *maculatus* Scudder (Lygaeidae), genus new to U.S. National Museum collection, at Washington, D.C., with Labiatae seed in aircargo from Angola.

Discocephalinae (Pentatomidae), not in U.S. National Museum collection, probably a new genus and new species, at Miami, Fla., on orchid plant in baggage from Guatemala.

Epicaerus sp. (Curculionidae) at Brownsville, Tex., in potato tuber in baggage and stores from Mexico; at Houston, Tex., in potato in stores from Mexico; and at Laredo, Tex., in potato in baggage from Mexico.

Eriosoma sp. (Aphidae) at Honolulu, Hawaii, on apple in cargo from Tasmania and in air stores and stores from Japan; and at New York, N.Y., on apple in baggage from England.

"*Eulia*" sp. (Tortricidae) at New York, N.Y., in nectarines, peaches, and plums in cargo from Chile.

Gonipterus sp. (Curculionidae) at New York, N.Y., on protea flowers in aircargo from the Union of South Africa.

A curculionid, probably Gymnaetrinae, a very interesting specimen not in the U.S. National Museum, at New York, N.Y., with apricot in cargo from the Union of South Africa.

Gymnandrosoma sp., near or *aurantianum* da Costa Lima (Olethreutidae), at Houston Tex., in orange in stores from Peru.

Haplothrips sp., near *setiger* Pr. (Phlaeothripidae) at New York, N.Y., on buttercup flowers in aircargo from Israel.

"*Lecanium*" sp. (Coccidae) at Washington, D.C., on Mazzard cherry in airmail from Iran.

Lepidosaphes sp., probably *camelliae* Hoke (Coccidae), at Washington, D.C., on *Camellia sasanqua* 'Asahi-Boton' in airmail from Japan.

Lixus sp. (Curculionidae) at New York, N.Y., in beet in stores from Italy; and at Philadelphia, Pa., in beet in stores from Egypt.

Meranoplus sp. (Formicidae), a species not represented in the U.S. National Museum collection, at Washington, D.C., in moss with unidentified plant in aircargo from Nepal.

Mormidea n. sp. (Pentatomidae) at Laredo, Tex., on bromeliad plant in cargo and orchids in baggage and cargo from Mexico; at New York, N.Y., on orchid plants in aircargo from Cuba; and at San Pedro, Calif., with Orchidaceae shakeout in aircargo from Ecuador.

Psyllidae, probably subfamily Pauropsyllinae, new genus near *Paurocephala*, new species, very unusual, at Chicago, Ill., on roses in air quarters from Mexico.

Phenacoccus sp. (Coccidae), not placed as described species, at New York, N.Y., on snowdrop bulbs in cargo from Turkey; and at Washington, D.C., on shore drugsquill bulbs in mail from the Isle of Crete.

Phloeosinus sp., possibly *osumiensis* Muray. (Scolytidae), at Miami, Fla. on "cedar" dunnage from Japan.

Premnotrypes sp. (Curculionidae) at Galveston, Tex., in potato in stores from Peru; at Miami, Fla., in potato in air baggage from Peru; at Mobile, Ala., in potato in stores from Peru; at New Orleans, La., in potato in stores from Ecuador and Peru; and at New York, N.Y., in potato in air baggage from Colombia.

Psylla sp. (Psyllidae) at Chicago, Ill., on pussywillow cuttings in mail from Germany; at Honolulu, Hawaii, on chrysanthemum in baggage from Japan; and at New York, N.Y., on birch leaves and twigs in air baggage from Finland.

Psylliodes sp. (Chrysomelidae) at Boston, Mass., and Galveston, Tex., in turnip in stores from France; and at New York, N.Y., in turnip in stores from Norway.

Pyraustidae, a species not represented by larval stage in the U.S. National Museum collection, at New York, N.Y., on jasmine petals in aircargo from France.

Rhyacionia sp., presumably *duplana* (Hbn.) (Olethreutidae), at Honolulu, Hawaii, on terminal bud of 2-needle pine in air baggage from Japan.

Rhynchites sp. (Curculionidae) at Boston, Mass., in cherry in air stores from France; and at Washington, D.C., in pear in air baggage from the Union of Soviet Socialist Republics.

Rolaspis sp. (Coccidae), does not match any species thus far assigned to the genus, at Dallas, Tex., on leaves and stem of unidentified plant in mail from Southern Rhodesia.

Saissetia sp., closest to *S. exoleta* DeLotto but distinct (Coccidae), at Washington, D.C., on Gabon cherryorange in mail from the Belgian Congo.

Sitona sp. (Curculionidae) at Washington, D.C., on *Medicago* sp. plants with soil in mail from Greece.

Strophosomus sp. (Curculionidae) at Chicago Ill. in forest litter with cut carnations in air baggage from Germany; and at New York, N.Y., with heather in air baggage from Germany, and with mixed cut flowers in aircargo from England.

Tetraleurodes sp. (Aleyrodidae), undescribed, at Honolulu, Hawaii, on teatree in mail from Australia.

Thrips sp. (Thripidae), not familiar species, at Chicago, Ill., on cut lilac in air quarters from Germany.

DISEASES

Incompletely determined pathogens worthy of mention were:

Ceratocystis sp. at New York, N.Y., on *Manihot* sp. twigs in air baggage from Trinidad.

Cercospora sp. at Philadelphia, Pa., on *Chamaedorea* sp. leaf in aircargo from Mexico.

Corynespora sp., probably *cassiicola* (Berk. & Curt.) Wei, at Brownsville, Tex., on tuftroot stems in cargo from Mexico.

Elsinoe sp. at Washington, D.C. on *Rhynchosia* sp. seed pods in aircargo from Panama. As far as is known, this is unreported on this host.

Hendersonia sp. at Laredo, Tex., on *Euphorbia* sp. stem in baggage from Mexico. None has been reported on this host as far as is known.

Nectria sp. at Nogales, Ariz., on yucca leaves in baggage from Mexico.

Phyllosticta sp. at Hoboken, N.J., on pachysandra leaf in cargo from England; and at New York, N.Y., on red escallonia leaf in aircargo from Brazil.

Phyllostictina sp. at Brownsville, Tex., on tuftroot in cargo from Mexico; and at Laredo, Tex., on *Beaucarnea* sp. in cargo from Mexico.

Placosphaeria sp. at New York, N.Y., on common screwpine seed in aircargo from Bermuda.

Septoria sp. at Honolulu, Hawaii, on lily bloom stalks in air baggage from Japan.

Sphenospora sp., probably *kevorkianii* Linder, at Miami, Fla., on *Epidendrum* sp. leaf in aircargo from the Canal Zone, and on *Oncidium variegatum* leaf in air baggage from the Dominican Republic.

Sphenospora sp., probably *mera* Cummins, at Laredo, Tex., on *Odontoglossum* sp. in mail from Mexico.

Sphenospora sp. at Laredo, Tex., on *Odontoglossum* sp. in baggage from Mexico; and at Miami, Fla., on *Oncidium pusillum* leaf in airmail from the Canal Zone.

Uredo n. sp. at Laredo, Tex., on *Ornithocephalus bicornis* in cargo from Mexico.

NEMATODES

Aphelenchoides sp.. probably *besseyi* Christie, at Miami, Fla., on oncidium leaf in aircargo from El Salvador.

Aphelenchoides sp. at Baltimore, Md.. in soil with carrot root in stores from the Netherlands; at Boston, Mass.. in soil with bulbs and plants in air baggage from the Azores in soil with carrots in stores from Argentina and in soil with sedum plants in air baggage from France; at El Paso, Tex., in amaryllis bulbs in baggage from Mexico; at Hoboken, N.J., in *Bletilla hyacinthina* stem sheath in cargo from the Netherlands, in dahlia roots in mail from France and Germany and in cargo from Japan, and in *Heuchera* 'Ibis' leaves and stems in cargo from the Netherlands; at New York, N.Y., in soil in aircargo from Germany; at Nogales, Ariz., in violet plants in baggage from Mexico; at Norfolk, Va., in rice straw rugs in cargo from Japan; and at San Ysidro, Calif., in *Limonium* sp. roots and in soil about mint plants in baggage from Mexico.

Aphelenchus sp. at Baltimore, Md., in celery root in stores from France; at Buffalo, N.Y., in soil in baggage from Canada; at El Paso, Tex., in soil with cactus plants in baggage from Mexico; at Miami, Fla., in soil on roots of arrowroot plant in baggage from Cuba; and at Nogales, Ariz., in soil with tuberose bulbs in baggage from Mexico.

Criconema n. sp. at Nogales, Ariz., in soil with tuberose bulbs in baggage from Mexico.

Criconema sp. at Laredo, Tex., in soil with gardenia plants in baggage from Mexico.

Criconemoides n. sp. at Laredo, Tex., in soil with gardenia plants in baggage from Mexico.

Criconemoides sp. at Laredo, Tex., in soil with bromeliad plants in cargo from Mexico; at Miami, Fla., in soil on roots of *Pilea* sp. (?) in air baggage from Guatemala; at Tampa, Fla., in soil in air baggage from Cuba; and at Ysleta, Tex., in soil with viburnum plants in baggage from Mexico.

Ditylenchus sp., probably *destructor*, at Hoboken, N.J., in dahlia roots in mail from France, and in tigerflower bulbs in mail from the Netherlands.

Ditylenchus sp., undescribed, at New York, N.Y., in lily-of-the-valley pips in cargo from Denmark.

Ditylenchus sp. at El Paso, Tex. in soil with Liliaceae plants in baggage from Mexico; at Hoboken, N.J., in dahlia roots in mail from Germany, and in narcissus bulbs in mail from Denmark; at New York, N.Y., in lily-of-the-valley pips in cargo from Denmark; at Nogales, Ariz., in garlic in cargo from Mexico; and at San Pedro, Calif., in narcissus bulbs in cargo from Japan.

Gottholdsteineria sp. at Baltimore, Md., in soil with carrot and turnip roots in stores from the Netherlands, and in soil with turnip roots in stores from England; at Boston, Mass., in dahlia roots in air baggage from Canada, and in soil with tarragon plant in air baggage from France; and at El Paso, Tex., in soil with unidentified plant in baggage from Mexico.

Helicotylenchus sp., undescribed, at Miami, Fla., in soil with miscellaneous plants in aircargo from British Honduras.

Helicotylenchus sp. at Boston, Mass., in soil with bulbs, dahlia roots, and unidentified plants in air baggage from Portugal, in soil with *Echeveria* sp. plants in air baggage from Albania, in soil with rubbertree plant in quarters from the Union of South Africa, and in soil with sansevieria plants in quarters from French Equatorial Africa; at Eagle Pass, Tex., in soil with begonia, caladium, and other plants in baggage from Mexico; at El Paso, Tex., in soil with plant in baggage from Mexico; at Laredo, Tex., with anthurium roots in baggage from Mexico, with roots of unidentified grass in mail from

Mexico, in soil sample and in soil with agave, begonia, bougainvillea, codiaeum, fern, heliconia, hibiscus, jasmine, Liliaceae, philodendron, and unidentified plants, avocado and mango seedlings, and narcissus bulbs in baggage from Mexico, and in soil with *Beaucarnea* sp. and bromeliad plants in cargo from Mexico; at Miami, Fla., in soil on breadfruit roots in aircargo from Cuba, in soil on orchid roots in air baggage from Brazil, and in soil with miscellaneous plants in air baggage from Bolivia and Panama; and at Nogales, Ariz., in soil with asparagus fern in baggage from Mexico.

Heterodera sp., probably *avenae*, at Port Everglades, Fla., in soil on new automobiles in cargo from France.

Heterodera sp., probably *punctata*, at Miami, Fla., in soil with automobile in cargo from Germany.

Heterodera rostochiensis group, may be *H. tabacum* Lownsbery and Lownsbery, at El Paso, Tex., in soil with begonia plant in baggage from Mexico.

Heterodera sp., probably *trifolii* (Goffart) Oostenbrink, at Mobile, Ala., in soil on automobiles in cargo from Germany.

Heterodera sp., probably *weissi* Steiner, at Wilmington, N.C., in soil with used bagging in cargo from Canada.

Heterodera sp. was intercepted 263 times at 27 ports from the following locations: Argentina, Azores, Belgium, Canada, Chile, Czechoslovakia, Denmark, Egypt, England, Europe (country(?)), France, Germany, Greece, Hawaii, Hong Kong, Indonesia, Ireland, Italy, Japan, Lebanon, Mexico, Morocco, Netherlands, New Zealand, Peru, Poland, Portugal, Rumania, Scotland, Spain, Sweden, Turkey, Union of South Africa, an unknown origin, Uruguay, and Yugoslavia. These interceptions were taken from sand ballast, soil as such, and soil with the following: Army vehicles, canned ham cases, clubmoss, conex boxes, cut flowers, earth-moving equipment, ferns, gladiolus corms, lily-of-the-valley pips, miscellaneous bulbs, cuttings, plants, roots, and tubers, new and used automobiles, old bagging, shoes, sod, truffles, and vegetables.

Hoplolaimus sp., an undescribed species, might be considered a new genus, at Laredo, Tex., in soil with cuttings of various plants in baggage from Mexico.

Meloidogyne sp., probably *hapla*, at New York, N.Y., in *Pyrethrum* sp. roots in aircargo from Scotland.

Meloidogyne sp., close to *incognita acrita*, possibly a new species, at Miami, Fla., with heliconia root in air baggage from Cuba.

Meloidogyne sp. at Boston, Mass., with miscellaneous plants in air baggage from Bermuda, in soil with fig plant in air baggage from Italy; at Eagle Pass, Tex., with begonia and other potted plants in baggage from Mexico; at Hoboken, N.J., in achimenes tubers in mail from India, in African violet roots in baggage from Brazil, in *Anemone hepatica* roots in mail from England, in *Artemesia* sp. roots in mail from Germany, in astilbe roots in cargo from the Netherlands; in begonia cuttings in mail from France and in begonia roots and stems in mail from England, in caladium in cargo from Guatemala, in calla lily in cargo from France and Italy, in clematis in cargo from the Netherlands and in mail from England, in *Colocasia* sp. tuber in mail from St. Kitts, in dahlia in mail from Australia, in periwinkle roots in mail from Canada, in *Thalictrum dipterocarpum* 'Hewitt's Double' in cargo from the Netherlands, and in *Thomsonia nepalensis* tubers in cargo from India; at Laredo, Tex., in banana roots and in caladium in cargo from Mexico; at Miami, Fla., in soil on roots of arrowroot plant in baggage from Cuba; at New Orleans, La., in sweetpotato in stores from Peru; and at San Pedro, Calif., in roots of an unidentified plant in air baggage from Costa Rica.

Paraphelenchus sp. at San Diego, Calif., in garlic bulb in stores from Japan.

Pratylenchus sp., probably *penetrans*, at New York, N.Y., in *Aconitum napellus* roots in aircargo from the Netherlands.

Pratylenchus sp., near *penetrans*, at New York, N.Y., in clematis and *Helleborus odorus* roots in aircargo from the Netherlands.

Pratylenchus sp., undescribed, at New York, N.Y., in yam tubers in baggage from Trinidad.

Pratylenchus sp. at Boston, Mass., in soil with *Colocasia* sp. tubers in air baggage from the Azores; at Laredo, Tex., in soil with miscellaneous plants in baggage from Mexico; at Hoboken, N.J., in anthurium roots in mail from Barbados, in clematis in cargo from the Netherlands, in dahlia in cargo from Japan and in mail from Germany, in bleedingheart in cargo from the Netherlands, in iris in cargo from Japan and in mail from England and the Netherlands, and in torchlily in cargo from the Netherlands; at New York, N.Y., in aconitum, broom, clematis, *Helleborus* sp., and larkspur roots in aircargo from the Netherlands, in *Pulmonaria* sp. roots in aircargo from England, in soil with malanga tuber in cargo from Cyprus, and in yam root in air baggage from Jamaica; and at Tampa, Fla., in soil in air baggage from Cuba.

Psilenchus sp., at El Paso, Tex., in soil with Liliaceae and unidentified plants in baggage from Mexico; and at Nogales, Ariz., in soil with asparagus fern and tuberose bulbs in baggage from Mexico.

Rotylenchulus sp. at San Diego, Calif., in soil with codiaeum in baggage from Nicaragua.

Rotylenchus n. sp. at Boston, Mass., in soil with seed potatoes in air baggage from Scotland.

Rotylenchus sp. at Boston, Mass., in soil with lily-of-the-valley plants in air baggage from England, and in soil with sedum plant in air baggage from Spain.

Scutellonema sp. at Boston, Mass., in soil with amaryllis, "bay" trees, begonias, and gladiolus corms in air baggage from the Azores.

Tylenchorhynchus sp., near *capitatus*, at Brownsville, Tex., in soil with palm plant in baggage from Mexico.

Tylenchorhynchus sp. at Baltimore, Md., in soil with turnip root in stores from England; at Boston, Mass., in sod in mail from Canada, in soil with unidentified roots in air baggage from an unknown origin, and in soil with strawberry plants in air baggage from France; at El Paso, Tex., in soil with begonia plant in baggage from Mexico; at Laredo, Tex., in soil with agave plants, avocado seedling, bougainvillea plants, jasmine, and unidentified plants in baggage from Mexico; and at Norfolk, Va., in rice straw rugs in cargo from Japan.

Tylenchus sp. at Boston, Mass., in aubrieta plants in air baggage from England; at El Paso, Tex., in soil with unidentified plants in baggage from Mexico; at Laredo, Tex., in soil with tractor in cargo from Mexico; at Miami, Fla., in soil with unidentified plants in air baggage from Cuba; at New York, N.Y., in soil in aircargo from Germany; at San Pedro, Calif., in lily-of-the-valley in cargo from Denmark; and at Ysleta, Tex., in soil with unidentified plant in baggage from Mexico.

Xiphinema sp. at Boston, Mass., in ginger root in baggage from Liberia and in soil with sedum plant in air baggage from Spain; at Laredo, Tex., in soil sample and in soil with avocado seedling, begonia, jasmine, and unidentified plants in baggage from Mexico; and at San Juan, P.R., in soil with citrus roots in preflight inspection of air baggage.

Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease
	Number	*Number*
Africa:		
Africa (country(?))	0	2
Algeria	1	1
Belgian Congo	2	0
Canary Islands	1	1
Cape Verde Islands	1	0
East Africa (country(?))	1	0
Egypt	15	1
French West Africa	1	3
Kenya	4	0
Liberia	4	0
Libya	11	0
Morocco	73	0
Morocco(?)	2	0
Mozambique	0	4
Nigeria	1	0
Nigeria(?)	1	0
North Africa (country(?))	4	0
Sierra Leone	1	0
Tanganyika	0	1
Tunisia	3	0
Union of South Africa	55	83
Asia:		
Afghanistan	2	1
Burma	1	0
Ceylon	2	5
China	7	23
Cyprus	1	1
Federation of Malaya	4	2
Formosa	23	14
Hong Kong	10	55
India	12	9
India(?)	0	1
Indonesia	1	0
Iran	4	0
Iraq	2	1
Israel	7	2
Japan	449	451
Japan(?)	6	0
Jordan	1	0
Lebanon	3	2
Nepal	2	0
Pakistan	2	0
Singapore	5	1
Syria	1	0
Thailand	1	0
Turkey	5	1
Turkey(?)	2	0
Vietnam	4	0
Vietnam(?)	0	1
Australasia:		
American Samoa	2	0
Australia	48	62
Borneo	1	0
British Samoa	0	19
Canton Island	1	0
Christmas Island	1	0
Eniwetok	3	1
Fiji Islands	12	0
Guam	10	1
Guam(?)	4	0
Hawaii	436	5
Hawaii(?)	0	1
Kwajalein	4	0
Kwajalein(?)	1	0
Mariana Islands	1	0
Midway Islands	1	0
Midway Islands(?)	2	0
Netherlands East Indies	1	0
New Caledonia	2	0
New Guinea	0	1
New Zealand	0	2
Norfolk Island	0	4
Okinawa	5	4

Country	Insect	Disease
	Number	*Number*
Australasia—Continued		
Palmyra Island	1	0
Palmyra Island(?)	1	0
Philippines	40	9
South Pacific	7	0
Tahiti	4	0
Wake Island	1	0
West Pacific	2	0
Europe:		
Austria	1	7
Azores	7	4
Belgium	18	8
Czechoslovakia	1	9
Denmark	3	7
England	114	63
Europe (country(?))	4	1
Finland	4	2
France	66	20
Germany	41	37
Germany(?)	1	0
Great Britain (country(?))	2	0
Greece	32	1
Hungary	1	0
Ireland	155	6
Italy	344	29
Luxembourg	1	0
Malta	6	0
Netherlands	61	48
Northern Ireland	2	0
Norway	3	2
Poland	12	1
Portugal	34	2
Rumania	1	0
Scotland	18	9
Spain	41	8
Sweden	13	5
Switzerland	8	15
Union of Soviet Socialist Republics	1	1
Yugoslavia	4	2
North America:		
Bermuda	25	0
Canada	4	9
Central America:		
British Honduras	8	3
Canal Zone	32	5
Central America (country(?))	1	0
Costa Rica	40	9
El Salvador	33	1
Guatemala	36	9
Honduras	18	4
Nicaragua	17	2
Panama	40	3
Iceland	1	0
Mexico	499	302
West Indies:		
American Virgin Islands	1	1
Anguilla	2	0
Antigua	5	0
Aruba	1	0
Bahamas	14	4
Barbados	12	1
British West Indies (island(?))	13	0
Cuba	105	13
Curacao	1	1
Dominican Republic	33	3
Haiti	20	3
Jamaica	49	6
Puerto Rico	53	6
St. Kitts	5	0
Tortola	6	0
Trinidad	29	5

Summary of Numbers of Interceptions Listed in Main Table—Continued

Country	Insect	Disease	Country	Insect	Disease
	Number	*Number*		*Number*	*Number*
South America:			Totals:		
Argentina	13	62	Africa	181	96
Argentina(?)	0	1	Asia	557	600
Bolivia	1	1	Australasia	591	109
Brazil	60	70	Europe	999	307
British Guiana	3	1	North America	1,103	390
Chile	34	10	South America	234	169
Colombia	14	1	Unknown	38	21
Ecuador	79	10			
Paraguay	0	5	Total	3,703	1,692
Peru	8	6	Total incompletely determined pests	2,603	852
South America (country(?))	1	0			
Surinam	3	0			
Uruguay	0	1	Total insect interceptions	6,306	
Venezuela	15	1	Total disease interceptions		2,544
Venezuela(?)	1	0	Grand total*		8,850

* This total represents only pests of known or potential plant quarantine importance or certain organisms of scientific significance. The total of all interceptions made during the year was 25,296.

NOTE.—Interceptions were also made from Albania, Angola, Cameroons, Crete, Ethiopia, Federation of Rhodesia and Nyasaland, French Equatorial Africa, Ghana, Greenland, Korea, Lithuania, Montserrat, St. Lucia, St. Vincent, and Saudi Arabia.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Acalymma trivittata (Mann.) (Chrysomelidae):					
Bromelia sp.	Mexico			1	Tex.
Chrysanthemum sp.	do	1			Calif.
Acalypta parvula (Fallén) (Tingidae):					
Calluna vulgaris (heather)	Ireland			1	Mass.
Acanthoscelides bixae (Drapiez) (Bruchidae):					
Bixa orellana	Brazil	1			Calif.*
Acanthosoma haemorrhoidale (L.) (Pentatomidae):					
Arbutus sp. (madrone)	Ireland			1	N.Y.
Rhododendron sp.	England	1			N.Y.
Aceria marochelus (Nal.) (Eriophyidae):					
Acer sp. (maple)	France		2		Mass.
Aceria macrorhynchus (Nal.) (Eriophyidae):					
Acer sp. (maple)	do		1		Mass.
Aceria tulipae (Keif.) (Eriophyidae):					
Allium cepa (onion)	do	1			Tex.
Achatina achatine (L.) (Achatinidae):					
Cargo—general	Liberia	1			N.Y.
Achatina fulica Fer. (Achatinidae):					
Baggage	Hawaii	1			Calif.*
Mail parcel	do	1			Hawaii.
Aconophora sinanjensis Fowl. (Membracidae):					
Carica papaya (papaya)	Mexico	1			Tex.
Acrolepia assectella (Zell.) (Hyponomeutidae):					
Allium porrum (leek)	France, Italy, Netherlands, Portugal.		5		Pa., S.C.
Adelphocoris lineolatus (Goeze) (Miridae):					
Airplane	Unknown		1		N.J.
Adozophyes orana (F. R.) (Tortricidae):					
Malus sylvestris (apple)	Germany	1			N.Y.
Syringa sp. (lilac)	Netherlands	3			N.Y.
Aeneolamia varia (F.) (Cercopidae):					
Airplane	Trinidad		2		P.R.
Aeneolamia varia saccharina (Dist.) (Cercopidae):					
Airplane	British West Indies (island(?)), Jamaica, Trinidad.		15		P.R.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Aeolothrips tenuicornis Bagn.(?) (Aeolothripidae):					
Ranunculus sp. (buttercup)	Israel	1			N.Y.
Aethus indicus (Westw.) (Cydnidae):					
Airplane	Japan		1		Hawaii.
Aganacteris indecora Dyar (Galleriidae):					
Cassia fistula (goldenshower senna)	Haiti	1			Fla.
Agonoxena pyrogramma Meyr. (Agonoxenidae):					
Cocos nucifera (coconut)	Guam	1			Hawaii.
Agrostothrips guillarmodi Hood (Thripidae):					
Anthistiria triandra	Union of South Africa			1	D.C.
Chrysopogon montanus	do			1	D.C.
Harpechloa capensis	do			1	D.C.
Hyparrhenia hirta	do			1	D.C.
Panicum deustum	do			1	D.C.
Alcidodes dentipes (Ol.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Sierra Leone		1		Pa.
Aleurocanthus spiniferus (Q.) (Aleyrodidae):					
Psidium sp.	Philippines	1			Hawaii.
Aleurocanthus woglumi Ashby (Aleyrodidae):					
Citrus limon (lemon)	Mexico	1			Ill.
C. sinensis (orange)	do	1			Ariz.
Citrus sp.	Jamaica, Mexico	7			Mass., Tex.
Psidium guajava (guava)	Mexico	1			Ariz.
Aleuroglandulus emmae Rsl. (Aleyrodidae):					
Orchid	do			3	Calif.,* Tex.
Aleuroparadoxus gardeniae Rsl. (Aleyrodidae):					
Coffea sp. (coffee)	do			1	Ariz.
Aleuroplatus variegatus Q. & B.(?) (Aleyrodidae):					
Palm	do	1			Tex.
Aleurothrixus floccosus (Mask.) (Aleyrodidae):					
Citrus sinensis (orange)	Brazil		1		Tex.
Aleurotuberculatus jasmini Takah. (Aleyrodidae):					
Jasminum sp. (jasmine)	Philippines			1	Wash.
Althos graptosternus Stal (Coreidae):					
Orchid	Ecuador			1	Calif.*
Althos obscurus (F.) (Coreidae):					
Bromelia sp.	Mexico			1	Tex.
Bromeliad	do			1	Tex.
Anacentrinus insularis Buch. (Curculionidae):					
Saccharum officinarum (sugarcane)	Cuba	1			Fla.
Anastrepha ludens (Loew) (Tephritidae):					
Calocarpum sapota (sapote)	Mexico	3			Calif., Tex.
Citrus aurantifolia (sweet lime)	Guatemala, Mexico	12			Ariz., La., Tex.
C. limon var. *ponderosa* (ponderosa lemon)	Mexico	1			Tex.
C. paradisi (grapefruit)	do	10			Ariz., La., Tex.
C. sinensis (orange)	do	48	5		Ariz., La., Tex.
Cydonia oblonga (quince)	do	1			Tex.
Mangifera indica (mango)	Guatemala, Mexico	61			Ariz., Calif., Calif.,* Ill., La., Tex.
Prunus persica (peach)	Mexico	4			Ariz., Tex.
Punica granatum (pomegranate)	do	1			Tex.
Pyrus communis (pear)	do	7			Tex.
Anastrepha mombinpraeoptans Sein (Tephritidae):					
Mangifera indica (mango)	American Virgin Islands, Colombia, Costa Rica, Cuba, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, Trinidad.	76	9		Calif., Calif.,* Fla., La., N.J., N.Y., Pa., P.R., S.C., Tex.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Anastrepha mombinpraeoptans Sein (Tephritidae)—Con.					
Psidium guajava (guava)	Puerto Rico	1			N.Y.
Spondias cytherea (vi-apple)	El Salvador	1			Fla.
S. mombin (yellow mombin)	Central America (country(?)), Costa Rica, El Salvador, Guatemala, Nicaragua.	10	1		Calif.,* La.
S. purpurea (purple mombin)	Cuba, El Salvador, Guatemala, Mexico, Nicaragua.	10			Calif., Fla., La., Tex.
Spondias sp.	Cuba	1			N.Y.
Terminalia catappa (tropical almond)	Jamaica	1			Fla.
Anastrepha serpentina (Wied.) (Tephritidae):					
Achras zapota (sapodilla)	Guatemala	2			Calif.*
Anastrepha striata Schin. (Tephritidae):					
Psidium guajava (guava)	Mexico	2			Ariz., Tex.
Anastrepha striata Schin.(?) (Tephritidae):					
Psidium guajava (guava)	El Salvador, Mexico	2			Ariz., Calif.*
Anastrepha suspensa (Loew) (Tephritidae):					
Psidium guajava (guava)	Cuba, Puerto Rico	6			Fla., Ill., P.R.
Ancylostomia stercorea (Zell.) (Phycitidae):					
"Bean"	Panama	2			Fla.
Cajanus cajan (pigeonpea)	Bahamas, Dominican Republic, Haiti, Jamaica, Panama, Puerto Rico, St. Kitts, Tortola, Trinidad.	32	4		Fla., N.C., N.Y., P.R., St. Thomas & St. John.
Phaseolus lunatus macrocarpus (lima bean)	Bahamas	1			Fla.
Andrector atrofasciata (Jac.) (Chrysomelidae):					
Lactuca sativa (lettuce)	Unknown		1		S.C.
Anisolabis marginalis (Dohrn) (Labiduridae):					
Sphagnum moss (packing with plants)	Japan			1	N.J.
Anthonomus albolineatus Champ. (Curculionidae):					
Orchid	Mexico			2	Tex.
Anthonomus rectirostris (L.) (Curculionidae):					
Prunus sp. (cherry)	Germany	1			Mich.
Antonina bambusae (Mask.) (Coccidae):					
Bamboo	Hawaii			2	Hawaii.
Anuraphis cardui (L.) (Aphidae):					
Cynara scolymus (artichoke)	France, Italy	4		1	N.Y.
Anuraphis tulipae (Fonsc.) (Aphidae):					
Iris sp.	England			2	N.J.
Tulipa sp.	Netherlands			4	N.J., N.Y., Tex.
Aonidiella citrina (Coq.) (Coccidae):					
Citrus reticulata (Mandarin orange)	Japan	1			Hawaii.
C. sinensis (orange)	Japan, unknown	1	2		Calif.,* Hawaii.
Citrus sp.	Australia, Japan		2		Fla., Hawaii.
Aonidiella inornata McKenzie (Coccidae):					
Cocos nucifera (coconut)	Guam	2		1	Calif.,* Hawaii.
Cycas revoluta	Japan	1			Hawaii.
Masdevallia sp. (orchid)	Ecuador			1	Calif.*
Palm	Japan	1			Hawaii.
Apion carduorum Kirby (Curculionidae):					
Cynara scolymus (artichoke)	Italy	4			N.Y.
Araecerus levipennis Jord. (Anthribidae):					
Leucaena glauca	Hawaii	5			Hawaii.
Arion ater (L.) (Arionidae):					
Dianthus caryophyllus (carnation)	England			1	N.Y.
Juglans regia (English walnut)	France			1	D.C.
Soil with miscellaneous plants	Ireland			1	Mass.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Arion circumscriptus Johnston (Arionidae):					
Brassica oleracea capitata (cabbage)	France		1		St. Thomas & St. John
Dianthus caryophyllus (carnation)	England			1	N.Y.
Paeonia sp. (peony)	Belgium			1	N.Y.
Trifolium repens var. (shamrock)	Ireland	1			N.Y.
Tulipa sp. (tulip)	Netherlands	1			N.Y.
Arion hortensis Fer. (Arionidae):					
Apium graveolens (celery)	Netherlands		1		Pa.
Brassica oleracea capitata (cabbage)	do		1		Pa.
Juglans regia (English walnut)	France			1	D.C.
Lactuca sativa (lettuce)	Ireland		1		Mass.
Roots of unknown plant	Unknown			1	N.Y.
Soil with *Leontopodium* sp. (edelweiss)	Germany			1	Mich.
Soil with plants	Netherlands			1	N.Y.
Viola sp. (violet)	France	1			N.Y.
Aspidaphium cuspidati Stroyan (?) (Aphidae):					
With *Fraxinus* sp. (ash)	Germany			1	D.C.
Aspidiotus britannicus Newst. (Coccidae):					
Buxus sp. (boxwood)	Portugal		1		Mass.
Aspidiotus degeneratus (Leon) (Coccidae):					
Camellia japonica (camellia)	Japan			1	N.J.
Laurus nobilis (Grecian laurel)	Italy			1	Mass.
Laurus sp.	Japan		1		Fla.
Aspidiotus destructor Sign. (Coccidae):					
Artocarpus communis (breadfruit)	British Guiana			1	Fla.
Cocos nucifera (coconut)	Bahamas, Tahiti	2			Fla., Hawaii.*
Orchid	Kenya			1	Fla.
Palm	Honduras			1	Fla.
Roystonea regia (royal palm)	Cuba			1	Fla.
Terminalia catappa (tropical almond)	Jamaica			1	Fla.
Aspidiotus diffinis Newst. (Coccidae):					
Theobroma cacao (cacao)	Ecuador			1	D.C.
Aspidiotus excisus Green (Coccidae):					
Chlorophytum sp.	Philippines			1	Hawaii.
Aspidiotus hedericola Ldgr. (Coccidae):					
Hedera sp. (ivy)	Turkey			1	Mass.
Aspidiotus herculeanus Ckll. & Hadden (Coccidae):					
Bark	Cuba	1			Fla.
Spondias mombin (yellow mombin)	Nicaragua	1			Calif.*
Aspidiotus palmae Ckll. (Coccidae):					
Chlorophytum sp.	Philippines			1	Hawaii.
Hedera sp. (?)	Costa Rica			1	Fla.
Asterobemisia carpini (Koch) (Aleyrodidae):					
Rubus sp.	France		1		Mass.
Asterolecanium bambusae (Bdv.) (Coccidae):					
Bamboo	Hawaii	1		1	Hawaii.
Asterolecanium epidendri (Bouché) (Coccidae):					
Brassia verrucosa (orchid)	Costa Rica			1	Calif.*
Broughtonia sp. (orchid)	Jamaica			2	Fla.
Bulbophyllum rothschildianum (orchid)	Costa Rica			2	Hawaii.*
Cattleya sp. (orchid)	Brazil, Costa Rica			3	Fla.
Coelogyne sp. (orchid)	Costa Rica			1	Fla.
Epidendrum brassavolae (orchid)	do			1	Fla.
Epidendrum sp.	Bahamas, Cuba			2	Fla.
Oncidium hyphaematicum (orchid)	Ecuador			1	Fla.
Oncidium sp.	Jamaica			1	Fla.
Orchid	Bolivia, Brazil, Costa Rica, Ecuador, Guatemala, Jamaica, Mexico.			10	Calif.,* Fla., P.R., Tex.
Vanda sp. (orchid)	Jamaica			1	Fla.
Aulacaspis latissima (Ckll.) (Coccidae):					
Rosa wichuraiana	Japan			1	D.C.
Aulacaspis mangiferae (Newst.) (Coccidae):					
Mangifera indica (mango)	El Salvador, Panama	5			Calif.*
Baris lepidii Germ. (Curculionidae):					
Armoracia rusticana (horseradish)	Poland		1		N.C.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Batrachedra linaria Clarke (Cosmopterygidae):					
Agave sp.	Mexico			1	Calif.
Bephrata maculicollis Cam. (Eurytomidae):					
Annona muricata (soursop)	Venezuela	1			Fla.
Blissus diplopterus Dist. (Lygaeidae):					
Ornithogalum thyrsoides (Cape chinkerichee)	Union of South Africa	1			N.Y.
Prunus armeniaca (apricot)	do	2			N.Y.
Brachycerus albidentatus Gyll. (Curculionidae):					
Allium sativum (garlic)	Italy	1			N.Y.
Brachycerus al irus (F.) (Curculionidae):					
Allium sativum (garlic)	do	4			N.Y.
Brachystethus rubromaculatus Dallas (Pentatomidae):					
Orchid	British Honduras			1	Fla.
Bradybaena similaris (Fer.) (Bradybaenidae):					
Allium sp.	Hawaii	1			Hawaii.
Anthurium sp.	do	7			Hawaii.
Brassica rapa (turnip)	Brazil		1		P.R.
Codiaeum sp. (codiaeum)	Hawaii	1			Hawaii.
Cordyline terminalis (ti)	do	3			Hawaii.
Flowers and foliage	do	2			Hawaii.
Foliage	do	1			Hawaii.
Heliconia sp.	do	2			Hawaii.
Herbs	Cuba	1			Fla.
Lilium sp. (lily)	Bermuda	1			N.Y.
Musa paradisiaca sapientum (banana)	do	1			N.Y.
Orchid	Brazil, Hawaii	2		1	Fla., Hawaii.
Pedilanthus sp. (slipperflower)	Hawaii			1	Hawaii.
Phaeomeria speciosa	do	1			Hawaii.
Vanda joaquimiae (orchid)	do	8			Hawaii.
Vanda sp.	do	16			Hawaii.
Bradybaena similaris (Fer.)(?) (Bradybaenidae):					
Lycoris chinensis	Hong Kong			1	Hawaii.
Brevipalpus obovatus Donn. (Tenuipalpidae):					
Cutting—unidentified	Bermuda	1			Mass.
Brevipalpus phoenicis (Geijskes) (Tenuipalpidae):					
Carica papaya (papaya)	Cuba	1			Fla.
Citrus aurantifolia (sour lime)	Argentina	1			Fla.
C. limon (lemon)	Costa Rica, Italy	1	1		Fla., N.Y.
C. sinensis (orange)	Cuba	1			Fla.
Litchi chinensis (lychee)	Hawaii	2			Hawaii.
Stenandrium lindenii	Jamaica			1	Hawaii.
Bryobia ehari Pritchard & Keifer (Tetranychidae):					
Chrysanthemum sp.	Japan	1			Hawaii.
Cactophagus validirostris (Gyll.) (Curculionidae):					
Philodendron sp.	Mexico			1	Tex.
Callidium rufipenne Motsch. (Cerambycidae):					
Quarters of a merchant vessel	Japan		1		Fla.
Wood	do	2	1		Calif.*, Fla.
Callirhytis glandium (Giraud) (Cynipidae):					
Quercus sp. (oak)	Portugal	1			N.Y.
Capaneus tetricus Stal (Coreidae):					
Bromeliads	Mexico			1	Tex.
Orchid	Canal Zone, Mexico			2	Fla., Tex.
Capitophorus braggii (Gill)(?) (Aphidae):					
Herbs	Mexico	1			Ill.
Carposina niponensis Wlghm. (Carposinidae):					
Malus sylvestris (apple)	Japan	1	5		Hawaii, Pa., Wash.
Caryedon fuscus (Goeze) (Bruchidae):					
Arachis hypogaea (peanut)	French West Africa	1			N.Y.
Cassia javanica (appleblossom senna)	Hawaii	1			Hawaii.
Cassia sp.	do	2			Hawaii.
Legume	do			1	Hawaii.
Tamarindus indica (tamarind)	Netherlands East Indies.	1			N.Y.
Tamarindus sp.	Jamaica	1			Md.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Cassida circumdata Hbst. (Chrysomelidae):					
Airplane	Guam		1		Hawaii.
Cecilioides acicula (Müller) (Achatinidae):					
Cactus	Italy			1	N.Y.
Soil with *Citrus limon* (lemon) plant	do			1	Mass.
Soil with *Dahlia* sp. and *Gladiolus* sp.	France			1	Mass.
Soil with miscellaneous plants	Italy			1	Mass.
Viola sp. (violet)	do			1	N.Y.
Cecilioides aperta (Swainson) (Achatinidae):					
Soil	Dominican Republic	1			Fla.
Soil with *Mentha* sp. (mint) plant	Cuba	1			Fla.
Cenopalpus pulcher (C. & F.) (Tenuipalpidae):					
Prunus amygdalus (almond)	Iran			1	D.C.
Pyrus sp. (pear)	France			1	D.C.
Ceratitis capitata (Wied.) (Tephritidae):					
Citrus grandis (pummelo)	Italy, unknown	1	1		Mass., N.Y.
C. paradisi (grapefruit)	Brazil, Egypt		4		Pa., Tex.
C. reticulata (Mandarin orange)	Argentina, Cyprus, Italy, Spain, Syria.	7	3		Mass., N.Y. Pa.
C. sinensis (orange)	Argentina, Costa Rica, Egypt, Israel, Italy, Portugal, Spain, unknown.	8	11		Calif.,* Ga., Mass., N.Y., Pa., Tex.
Coffea arabica (Arabian coffee)	Hawaii	14			Calif.,* Hawaii.
Coffea sp.	Brazil, Costa Rica	4		1	Fla., N.Y.
Cydonia oblonga (quince)	Greece, Italy	7			N.Y.
Eriobotrya japonica (loquat)	Italy, Tunisia	2			Mass., N.Y.
Ficus carica (fig)	Argentina, Italy, Spain.	3			Mass., N.Y.
Malus sylvestris (apple)	Europe (country(?)), Greece, Portugal.	2	1		N.Y.
Opuntia humifusa (pricklypear)	Italy	6			Mass., N.Y.
Prunus armeniaca (apricot)	France, Italy		2		Mass., N.Y.
P. persica (peach)	Europe (country(?)), Israel, Italy, Spain, unknown.	6	3		Mass., N.J., N.Y., P.R.
Psidium guajava (guava)	Portugal	2			Mass.
Pyrus communis (pear)	Greece, Israel, Italy	4			Mass., N.Y.
Terminalia catappa (tropical almond)	Hawaii	1			Calif.*
Vitis sp. (grape)	Italy	1			N.Y.
Ceratitis capitata (Wied.) (?) (Tephritidae):					
Calophyllum inophyllum (Indiapoon beauty-leaf).	Hawaii	1			Hawaii.
Citrus sinensis (orange)	Italy, Union of South Africa, unknown.	1	3		La., Mass.
Coffea arabica (Arabian coffee)	Hawaii	2			Calif.,* Hawaii.
Coffea sp.	Brazil	2			Fla., N.Y.
Ficus carica (fig)	Italy	1			N.Y.
Cerconota anonella (Sepp) (Stenomidae):					
Annona muricata (soursop)	Ecuador	1			N.Y.
A. reticulata (custard-apple)	Brazil	1			N.Y.
Ceroplastes japonicus Green (Coccidae):					
Punica granatum (pomegranate)	Japan			1	Calif.*
Ceroplastes rubens Mask. (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	3			Hawaii.
Anthurium sp.	do	3			Hawaii.
Gardenia sp.	Australia	1			Hawaii.
Ceroplastes rusci (L.) (Coccidae):					
Ficus carica (fig)	Argentina, Greece			2	N.Y., P.R.
Chalciope hyppasia (Cram.) (Noctuidae):					
Airplane	Japan		1		Hawaii.
Chelysoma variabilis (H.-S.) (Pentatomidae):					
Chamaedorea oblongata (palm)	Mexico	1			Tex.
Chilo loftini Dyar (Crambidae):					
Saccharum officinarum (sugarcane)	do	14			Ariz., Calif., Tex.
Zea mays (corn)	do	6			Ariz.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Chilo suppressalis (Wlk.) (Crambidae):					
Oryza sativa (rice)	Japan, Spain	6	1		Calif.,* Hawaii, P.R., Wash.
Chionaspis asiatica Arch. (Coccidae):					
Prunus avium (Mazzard cherry)	Iran			2	D.C.
Chionaspis salicis (L.) (Coccidae):					
Bark	Austria	1			Mass.
Betula sp. (birch)	Germany			1	Ill.
Chirothrips egregius zur Strassen (Thripidae):					
Eragrostis bicolor (lovegrass)	Union of South Africa			1	D.C.
E. brizoides	do			1	D.C.
E. lehmanniana	do			1	D.C.
E. superba	do			2	D.C.
Grass seed	do			1	Md.
Chirothrips hoodi Jacot-Guill. (Thripidae):					
Hyparrhenia hirta	do			1	D.C.
Hyparrhenia sp.	do			1	D.C.
Chirothrips pretorianus Hood (Thripidae):					
Alloteropsis semialata	do			1	D.C.
Echinochloa pyramidalis	do			1	D.C.
Eragrostis bicolor (lovegrass)	do			1	D.C.
E. biflora	do			1	D.C.
E. brizoides	do			1	D.C.
E. capensis	do			1	D.C.
E. curvula	do			1	D.C.
E. lehmanniana	do			1	D.C.
E. obtusa	do			1	D.C.
Eragrostis sp.	do			1	D.C.
Fingerhuthia sesleriaeformis	do			1	D.C.
Tetrachne dregei	do			1	D.C.
Chrysomphalus agavis (Towns. & Ckll.) (Coccidae):					
Agave victoriae-reginae	Mexico			1	Tex.
Chrysomphalus albopictus (Ckll.) (Coccidae):					
Persea americana (avocado)	do	1			Tex.
Chrysomphalus calurus (Ckll.) (Coccidae):					
Spondias mombin (yellow mombin)	El Salvador, Guatemala.	2			Calif.*
Chrysomphalus nigropunctatus (Ckll.) (Coccidae):					
Epidendrum sp. (orchid)	Mexico			1	Tex.
Orchid	do			1	Tex.
Philodendron sp.	do			1	Tex.
Chrysomphalus personatus (Comst.) (Coccidae):					
Achras zapota (sapodilla)	do			1	D.C.
Citrus aurantifolia (sour lime)	Brazil		1		Fla.
C. sinensis (orange)	Argentina, Brazil, Mexico.	1	3		Calif.*
Mangifera indica (mango)	Mexico, Nicaragua	3			Calif.*
Myrsitica sp.	Barbados			1	N.Y.
Philodendron sp.	Brazil			2	D.C.
Vriesia sp.	do			1	D.C.
Chrysomphalus pinnulifer (Mask.) (Coccidae):					
Citrus paradisi (grapefruit)	Canary Islands		1		Fla.
Chrysomphalus propsimus Banks (Coccidae):					
Areca sp. (palm)	Cuba			1	Fla.
Mentha sp. (mint)	do			1	Fla.
Chrysomphalus reniformis (Ckll.) (tentative) (Coccidae):					
Anthurium sp.	Brazil			1	Fla.
Chrysomphalus setiger (Mask.)(?) (Coccidae):					
Camellia sasanqua	Japan			1	D.C.
Chrysomphalus sphaerioides (Ckll.) (Coccidae):					
Chamaedorea elegans (palm)	Mexico	1			Tex.
Diospyros sp. (persimmon)	do	1			Tex.
Chrysomphalus tenax (McKenzie) (Coccidae):					
Orchid	Canal Zone			1	Fla.
Philodendron dubium	Mexico			1	Tex.
P. polytomum	do			1	Tex.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Chrysomphalus tingi (McKenzie) (Coccidae):					
Phalaenopsis sp. (orchid)	Philippines			1	Fla.
Chrysomphalus tricuspis (Ferris) (Coccidae):					
Cycad	Mexico			1	Tex.
Dioon spinulosum	do			1	Tex.
Chrysomphalus umboniferus (Newst.) (Coccidae):					
Epidendrum brassavolae (orchid)	Costa Rica			1	Calif.*
Epidendrum sp.	Guatemala			1	Fla.
Masdevallia sp. (orchid)	Ecuador	1			Calif.*
Orchid	Panama			1	Fla.
Cicadella spectra (Dist.) (Cicadellidae):					
Airplane	Japan(?), Midway Islands.		2		Hawaii.
Cicadella viridis (L.) (Cicadellidae):					
Airplane	Japan, Midway Islands(?).		2		Hawaii.
Brassica chinensis (Chinese cabbage)	Japan		1		Wash.
Clerada apicicornis Sign. (Lygaeidae):					
Orchid	Honduras			1	Calif.*
Clysiana ambiguella (Hbn.) (Phaloniidae):					
Vitis sp. (grape)	Italy	1			N.Y.
Coccus africanus (Newst.) (Coccidae):					
Euonymus sp.	Brazil			1	D.C.
Coccus viridis (Green) (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	1			Hawaii.
Chrysanthemum sp.	Cuba			1	Fla.
Citrus sinensis (orange)	Japan		1		Hawaii.
Coffea arabica (Arabian coffee)	Hawaii	2			Hawaii.
Coffea sp.	Haiti	1			N.Y.
Euphorbia sp.	Guam			1	Wash.
Gardenia augusta (gardenia)	Cuba, Hawaii, Venezuela.	39	1	1	Ala., Calif.,* Fla., Hawaii, N.Y.
Gardenia sp.	South Pacific		1		Hawaii.
Gliricidia sepium	Dominican Republic			1	Fla.
Nothopanax guilfoylei	Hawaii			1	Hawaii.
Plumeria sp.	do	1		1	Hawaii.
Psidium guajava (guava)	do	1			Hawaii.
Cochlicella barbara (L.) (Helicellidae):					
Military cargo	Morocco	2			S.C., Va.
Soil with *Ficus carica* (fig) cuttings	Italy			1	N.Y.
Cochlicella ventrosa (Fer.) (Helicellidae):					
Military cargo	Morocco	1			S.C.
Soil	Italy	1			N.Y.
Coelonertus nigrirostris Solari (Curculionidae):					
Chamaedorea elegans (palm)	Mexico	12			Tex.
Chamaedorea sp.	do	2			Tex.
Palm	do	1			Tex.
Coenobela paucula (Wlk.) (Noctuidae):					
Airplane	Trinidad		1		P.R.
Conchaspis orchidarum Mamet (Coccidae):					
Cattleya skinneri (orchid)	Canal Zone			1	Fla.
Orchid	Panama			1	Fla.
Conoderus exul (Sharp) (Elateridae):					
Anthurium sp.	Hawaii	1			Hawaii.
Vanda sp. (orchid)	do	1			Hawaii.
Conoderus rufangulus (Gyll.) (Elateridae):					
Vitis sp. (grape)	Chile	5			N.Y.
Conotelus mexicanus Murr. (Nitidulidae):					
Chrysanthemum sp.	Mexico	1			Ariz.
Cucurbita pepo (summer squash)	do	1			Ariz.
Flowers	do	1			Ariz.
Logs	Colombia	1			N.C.
Lycopersicon esculentum (tomato)	Mexico	1			Ariz.
Plumeria sp.	Hawaii, unknown	1	1		Hawaii.
Rosa sp.	Mexico	1			Ariz.
Solanum melongena (eggplant)	do	4			Ariz.
Vanda joaquimiae (orchid)	Hawaii	1			Hawaii.
Vanda sp.	do	2			Hawaii.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Conotrachelus aguacatae Barber (Curculionidae):					
Persea americana (avocado)	Guatemala, Mexico	11		1	Tex.
Conotrachelus perseae Barber (Curculionidae):					
Persea americana (avocado)	Costa Rica, Mexico	2		1	Tex.
Coptosoma punctatissima Montand. (Pentatomidae):					
Trailer	Japan	1			Hawaii.
Coptotermes formosanus Shiraki (Rhinotermitidae):					
Mail parcel	Hawaii	1			Hawaii.
Vanda sp. (orchid)	do	1			Hawaii.
Corimelaena alticola (Norvath) (Pentatomidae):					
Orchid	Mexico			1	Tex.
Corimelaena palmeri (McA. & M.) (Pentatomidae):					
Orchid	do			1	Tex.
Cosmopolites sordidus (Germ.) (Curculionidae):					
Musa paradisiaca sapientum (banana)	Honduras, Mexico, Panama.			5	La., Tex.
Cryphalomorphus jalappae (Letzn.) (Scolytidae):					
Ipomoea purga (jalap)	Mexico	1			N.Y.
Cryphula apicatus (Dist.) (Lygaeidae):					
Bromeliad	do			1	Tex.
Orchid	do			1	Fla.
Cryptoblabes gnidiella (Mill.) (Phycitidae):					
Citrus limon (lemon)	Italy	2			N.Y.
C. sinensis (orange)	Italy, Spain	5	6		Mass., N.J., N.Y., Tex.
Malus sylvestris (apple)	Italy	1			N.Y.
Punica granatum (pomegranate)	Greece, Italy, Spain	9			Mass., N.Y.
Vitis sp. (grape)	Italy, Malta	2			Mich., N.Y.
Cryptophlebia illepida (Btlr.) (Olethreutidae):					
Litchi chinensis (lychee)	Hawaii	2			Hawaii.
Cryptophlebia leucotreta (Meyr.) (Olethreutidae):					
Citrus paradisi (grapefruit)	Union of South Africa		1		Mass.
C. reticulata (Mandarin orange)	do	1			N.Y.
C. sinensis (orange)	Union of South Africa, unknown.	1	2		Calif.,* La., Tex.
Cryptotermes domesticus (Hav.) (Kalotermitidae):					
Driftwood	Wake Island	1			Hawaii.
Ctenoglyphus canestrinii (Armanelli) (Glycyphagidae):					
Annona sp.	Portugal	1			N.Y.
Curculio elephas (Gyll.) (Curculionidae):					
Castanea sp. (chestnut)	England, France, Greece, Italy, Portugal, Spain, Switzerland.	94	2	2	Calif.,* Ill., La., Mass., Mich., Minn., N.Y.
Quercus ilex (holly oak)	Italy			1	N.J.
Quercus sp.	do			1	N.J.
Curculio nucum L. (Curculionidae):					
Castanea sp. (chestnut)	Portugal	1			N.Y.
Corylus avellana (filbert)	Italy, Poland	5		1	Mass., N.J., N.Y.
Cylas formicarius (F.) var. (Curculionidae):					
Ipomoea batatas (sweetpotato)	Dominican Republic, Hong Kong.	1	1		Hawaii, P.R.
Vegetable—unidentified	Dominican Republic	1			Fla.
Cylas formicarius elegantulus (Summers) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Anguilla, Bahamas, Cuba, Dominican Republic, Hawaii, Mexico, Puerto Rico.	22	9		Ala., Calif.,* Fla., Ill., La., N.Y., P.R., S.C., St. Thomas & St. John, Tex.
Ipomoea sp.	Puerto Rico			1	D.C.
Soil with vegetable	Cuba		1		Md.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Cylas formicarius formicarius (F.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Hong Kong	1			Hawaii.
Dactylopius confusus (Ckll.) (Coccidae):					
Cactus	Mexico			1	Tex.
Dactylotrypes uyttenboogaarti Eggers (Scolytidae):					
Chamaerops humilis (Mediterranean palm)	Italy			1	N.J.
Dacus cucurbitae (Coq.) (Tephritidae):					
Airplane	Japan(?)		1		Hawaii.
Cucumis sativus (cucumber)	Hawaii		2		Calif.*
Lycopersicon esculentum (tomato)	do		6		Calif.*, Wash.
Dacus dorsalis Hend. (Tephritidae):					
Airplane	Japan		1		Hawaii.
Carica papaya (papaya)	Hawaii	1			Hawaii.
Citrus grandis (pummelo)	do	1			Calif.*
Coffea arabica (Arabian coffee)	do	5		1	Hawaii.
Fruit—unidentified	do	1			Calif.*
Mangifera indica (mango)	do	6			Calif.*, Hawaii.
Musa paradisiaca sapientum (banana)	do	1	1		Calif.*
Passiflora sp. (passionflower)	do	1			Hawaii.
Persea americana (avocado)	do	1			Calif.*
Phoenix dactylifera (date)	do	1			Calif.*
Psidium guajava (guava)	do	2			Hawaii.
Terminalia catappa (tropical almond)	do	1			Hawaii.
Dacus dorsalis Hend.(?) (Tephritidae):					
Coffea sp.	do	2			Hawaii.
Mangifera indica (mango)	do	1	1		Calif.*, Hawaii.
Terminalia catappa (tropical almond)	do	1			Hawaii.
Dacus oleae Gmel. (Tephritidae):					
Baggage	Italy	1			N.Y.
Olea europaea (olive)	Greece, Italy, Lebanon, Spain, Tunisia, Union of Soviet Socialist Republics.	40			Mass., N.Y.
Olea sp.	Italy	1			N.Y.
Dacus oleae Gmel.(?) (Tephritidae):					
Olea europaea (olive)	do	1			N.Y.
Dacus passiflorae (Frogg.) (Tephritidae):					
Degeneria vitiensis	Fiji Islands			1	D.C.
Dacus pedestris (Bezzi) (Tephritidae):					
Melastoma malabathricum	Federation of Malaya	1			Hawaii.
Melastoma sp.	do	1			Hawaii.
Dendrocoris suffultus (Dist.) (Pentatomidae):					
Orchid	Mexico			1	Tex.
Dercynus micronyx Champ. (Curculionidae):					
Brownea grandiceps (glory flamebean)	Trinidad			1	Fla.
Deroceras reticulatum (Müller) (Limacidae):					
Brassica oleracea botrytis (cauliflower)	France, Germany		2		Pa.
B. oleracea bullata (Savoy cabbage)	Poland		1		Pa.
B. oleracea capitata (cabbage)	England, France, Ireland, Italy, Netherlands, Spain.	1	9		Fla., Ga., N.Y., Pa.
Bromeliad	Mexico			1	Tex.
Capsicum frutescens grossum (bell pepper)	Italy		1		N.Y.
Cordyline terminalis (ti)	Hawaii	2			Hawaii.
Cordyline sp.	do	1			Hawaii.
Food for salamander	Switzerland	1			N.Y.
Gladiolus sp.	Italy	1			Mass.
Ipomoea batatas (sweetpotato)	Hawaii	1			Hawaii.
Lactuca sativa (lettuce)	England, Germany, Ireland, Italy, Netherlands, unknown.	1	6		Mass., N.Y., Pa.
Orchid	Australia, Costa Rica, Mexico.			10	Fla., Hawaii, Tex.
Petroselinum crispum (parsley)	Ireland		1		Mass.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Deroceras reticulatum (Müller) (Limacidae)—Con.					
Plants—miscellaneous	England, Japan, Mexico.		1	2	Hawaii, Mass., Tex.
Soil with fern plants	Portugal			1	Fla.
Soil with miscellaneous plants	England, Germany			2	Mich., N.Y.
Tulipa sp.	Netherlands	1			N.Y.
Typha sp. (cattail)	Brazil			1	D.C.
Vanda sp. (orchid)	Hawaii	1			Hawaii.
Diachus auratus (F.) (Chrysomelidae): *Plumeria* sp.	do	1			Hawaii.
Dialeurodes chittendeni Laing (Aleyrodidae): *Rhododendron* 'Cunningham White'	Netherlands			1	N.J.
Rhododendron 'Dr. (H. C.) Dresselhuys'	do			1	N.J.
Rhododendron 'Grandiflorum'	do			1	N.J.
Rhododendron 'Mme. Masson'	do			1	N.J.
Rhododendron hybrid	do			1	N.Y.
Rhododendron sp.	England, Netherlands			25	N.J., N.Y.
Dialeurodes citrifolii (Morg.) (Aleyrodidae): *Citrus* sp.	El Salvador, Mexico, Panama.	3			Calif.,* Tex.
Dialeurodes kirkaldyi (Kot.) (Aleyrodidae): *Citrus sinensis* (orange)	Tahiti	1			Hawaii.
Flowers	Cuba	1			Fla.
Jasminum sambac (Arabian jasmine)	Hawaii	1			Hawaii.
Jasminum sp.	Japan		1		Hawaii.
Lagerstroemia indica (common crapemyrtle)	Australia	1			Hawaii.
Lagerstroemia sp.	do		1		Hawaii.
Plumeria acuminata (Mexican frangipani)	Hawaii	1			Hawaii.
Dialeurodes tristylii Takah. (Aleyrodidae): *Cleyera ochnacea* (?)	Japan		1		Calif.*
Diaphania costata (F.) (Pyraustidae): Airplane	Honduras		1		Fla.
Diaphania quadristigmalis (Guen.) (Pyraustidae): Airplane	Costa Rica		1		Fla.
Diaprepes abbreviatus (L.) (Curculionidae): Airplane	Dominican Republic		1		Fla.
Baggage	Puerto Rico	1			P.R.
Diaprepes abbreviatus (L.) var. (Curculionidae): Airplane	do		1		P.R.
Diaspis minima Targ. (Coccidae): *Chamaecyparis* sp. (falsecypress)	Bermuda	1			Mass.
Diathrausta amyustella Dyar (Pyraustidae): Airplane	Panama		1		Fla.
Diazenes dendrobii Gahan (?) (Cerambycidae): *Dendrobium* sp. (orchid)	India			2	Fla., N.Y.
Dichocrocis punctiferalis (Guen.) (Pyraustidae): *Pinus parviflora* (Japanese white pine)	Japan	1			Hawaii.
Dicyphus annulatus (Wolff) (Miridae): *Lactuca sativa* (lettuce)	Portugal		1		Mass.
Dicyphus pallidicornis Fieb. (Miridae): *Rumex* sp. (dock)	Ireland			1	N.Y.
Dinoderus bifoveolatus (Woll.) (Bostrichidae): Wood (on native drum)	Nigeria	1			Mass.
Dioscalandra taitensis (Guer.) (Curculionidae): *Cocos nucifera* (coconut)	Hawaii	4			Hawaii.
Diorymerellus laevimargo Champ. (Curculionidae): Orchid	Guatemala, Mexico			12	Tex.
Diploptera punctata (Esch.) (Diplopteridae): Baggage	Hawaii	1			Hawaii.
Doru albipes (F.) (Forficulidae): *Cajanus cajan* (pigeonpea)	Puerto Rico	2			P.R.
Drymus sylvaticus (F.) (Lygaeidae): Coniferous plant	England			1	N.Y.
Packing with *Rhododendron* sp. (azalea)	do			1	N.J.
Dryocoetes autographus (Ratz.) (Scolytidae): *Picea* sp. (spruce)	Germany		1		Fla.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Dysdercus mimulus Hussey (Pyrrhocoridae):					
Bromelia sp.	Mexico			1	Tex.
Cucumis melo cantalupensis (cantaloupe)	do	4			Tex.
Earias insulana (Bdv.)(?) (Noctuidae):					
Gossypium sp. (cotton; lint)	Egypt	1			N.Y.
Ectomyelois ceratoniae (Zell.) (Phycitidae):					
Ceratonia siliqua (carob)	Italy	4			N.Y.
Citrus sinensis (orange)	Spain, unknown		3		N.J., N.Y.
Cydonia oblonga (quince)	Greece, unknown	2			Calif.,* N.Y.
Juglans regia (English walnut)	Italy	1			N.Y.
Juglans sp.	do	2			N.Y.
Malus sylvestris (apple)	do	2			N.Y.
Prunus amygdalus (almond)	do	1			N.Y.
Punica granatum (pomegranate)	Argentina, Greece, Italy.	6			N.Y.
Pyrus communis (pear)	Italy	1			N.Y.
Tamarindus indica (tamarind)	Dominican Republic, Puerto Rico.	1	1		N.Y.
Ectomyelois decolor (Zell.) (Phycitidae):					
Legume pod	Jamaica			1	Fla.
Tamarindus indica (tamarind)	Cuba	1			La.
Ectomyelois muricis (Dyar) (Phycitidae):					
Cassia sp. (senna)	Honduras	1			Fla.
Enterolobium sp. (earpodtree)	Colombia	1			Fla.
Hymenaea courbaril	Venezuela	1			N.Y.
Edessa meditabunda (F.) (Pentatomidae):					
Zea mays (corn)	Argentina	1			Pa.
Elousa albicans Wlk. (Noctuidae):					
Airplane	Cuba		1		Fla.
Empoasca kraemeri Ross & Moore (Cicadellidae):					
Airplane	Nicaragua		1		Fla.
Ephestia calidella (Guen.) (Phycitidae):					
Eriobotrya japonica (loquat)	Italy			1	N.Y.
Ficus carica (fig)	Greece, Italy	2			N.Y.
Epichorista tonephela Meyr. (Tortricidae):					
Ornithogalum thyrsoides (Cape chinkerichee)	Union of South Africa	4			N.J., N.Y.
Epilachna nigrocincta Muls. (Coccinellidae):					
Orchid	Mexico			1	Tex.
Epilachna paenulata (Germ.) (Coccinellidae):					
Musa paradisiaca sapientum (banana)	Ecuador	1			Md.
Epinotia aporema (Wlsm.) (Olethreutidae):					
Phaseolus vulgaris var. (string beam)	Mexico, Peru	1	3		Calif.,* La., Tex.
Eremberga insignis Hein. (Phycitidae):					
Cephalocereus senilis (oldman cactus)	Mexico			1	Tex.
Eriophyes canestrinii (Nal.) (Eriophyidae):					
Buxus sempervirens (common boxwood)	England, Netherlands			3	N.J.
Buxus sp.	Ireland, Netherlands	1		1	Mass., N.J.
Ernobius abietis (F.) (Anobiidae):					
Picea sp. (spruce)	England, Switzerland			2	N.Y.
Euborellia stali (Dohrn) (Labiduridae):					
Brassica oleracea capitata (cabbage)	Cuba		1		Ga.
Eucalophagus aurocinctus Champ. (Curculionidae):					
Cycnoches sp. (orchid)	Costa Rica			1	Fla.
Eucalophagus carinipyga Champ. (Curculionidae):					
Philodendron sp.	Canal Zone			1	Fla.
Euglandina striata (Müller) (Oleacinidae):					
Musa paradisiaca sapientum (banana)	Ecuador	2			Md., N.Y.
Eulcia heraclei (L.) (Tephritidae):					
Apium graveolens (celery)	England		2		Va.
Petroselinum crispum (parsley)	England, unknown		2		Mass., N.Y.
Eurydema ornatum (L.) (Pentatomidae):					
Cynara sp.	Spain			1	D.C.
Eurytoma orchidearum (Westw.) (Eurytomidae):					
Cattleya sp. (orchid)	Guatemala			1	N.J.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Euscepes postfasciatus (Fairm.) (Curculionidae):					
Ipomoea batatas (sweetpotato)	Brazil, Hawaii, Puerto Rico, St. Kitts, Tortola, Trinidad.	4	5	----	Ala., Calif.,* Pa., P.R., St. Thomas & St. John, S.C.
Ipomoea sp.	Venezuela	----	1	----	Md.
Eutetranychus banksi (McG.) (Tetranychidae):					
Orchid	----do	1	----	----	N.Y.
Euzophera bigella Zell.(?) (Phycitidae):					
Juglans sp. (walnut)	Italy	1	----	----	N.Y.
Everes comyntas (Godt.) (Lycaenidae):					
Phaseolus vulgaris var. (string bean)	Mexico	1	----	----	Tex.
Evergestis forficalis (L.) (Pyraustidae):					
Brassica oleracea capitata (cabbage)	Great Britain, Netherlands.	----	2	----	La., Pa.
Exptochiomera albomaculata (Dist.) (Lygaeidae):					
Orchid	Mexico	----	----	1	Tex.
Eysarcoris guttiger (Thunb.) (Pentatomidae):					
Brassica oleracea capitata (cabbage)	Japan	----	1	----	Ala.
Farinococcus guatemalensis Ferris (Coccidae):					
Oncidium sp. (orchid)	Costa Rica	----	----	1	Tex.
Ferrisia virgata (Ckll.) (Coccidae):					
Chamaedorea oblongata	Mexico	1	----	----	Tex.
Cissus sp. (treebine)	Philippines	----	----	1	Hawaii.
Hibiscus sp.	Mexico	----	----	2	Tex.
Leaf—unidentified	----do	----	----	1	Ariz.
Orchid	Canal Zone	----	----	1	Fla.
Punica granatum (pomegranate)	Mexico	1	----	----	Tex.
Sechium edule (chayote)	Cuba	2	----	----	Fla., N.Y.
Filippa oleae Costa (?) (Coccidae):					
Olea europaea (olive)	Italy	1	----	----	N.Y.
Filippa viburni (Sign.) (Coccidae):					
Hedera sp. (ivy)	England	----	4	----	Mass.
Fiorinia nephelii Mask. (Coccidae):					
Euphoria longan	Philippines	----	1	----	Hawaii.
Fiorina theae Green (Coccidae):					
Citrus paradisi (grapefruit)	Curacao	----	1	----	Calif.*
C. reticulata (Mandarin orange)	Formosa	1	----	----	Hawaii.
Spondias purpurea (purple mombin)	Philippines	1	----	----	Hawaii.
Fossaria truncatula (Müller) (Lymnaeidae):					
Rorippa nasturtium aquaticum (watercress)	England	----	1	----	Mass.
Soil with *Ficus carica* (fig)	Italy	----	----	1	N.Y.
Frankliniella formosae Mlt. (Thripidae):					
Chrysanthemum sp.	Japan	8	5	----	Hawaii, Wash.
Dahlia sp.	----do	1	----	----	Hawaii.
Dianthus caryophyllus (carnation)	----do	11	2	----	Hawaii.
Gladiolus sp.	----do	1	1	----	Hawaii.
Liliaceae	----do	----	1	----	Hawaii.
Paeonia sp.	----do	1	----	----	Hawaii.
Rosa sp.	----do	1	1	----	Hawaii, Wash.
Frankliniella intonsa (Tryb.) (Thripidae):					
Dianthus caryophyllus (carnation)	Germany, Poland, unknown.	3	1	----	Mass., N.Y.
Flowers—assorted	England	1	----	----	Mass.
Lavandula sp. (lavender)	----do	----	----	1	N.Y.
Pelargonium sp. (geranium)	Belgium	----	----	1	N.Y.
Pyrethrum sp. (painted daisy)	Finland	1	----	----	N.Y.
Rosa sp.	France, Germany	2	----	----	Mass., N.Y.
Frankliniella schultzei (Tryb.) (Thripidae):					
Dianthus caryophyllus (carnation)	Australia	2	----	----	Hawaii.
Ornithogalum thyrsoides (Cape chinkerichee)	Union of South Africa	2	----	----	N.Y.
Rosa sp.	Australia	1	----	----	Hawaii.
Frankliniella williamsi Hood (?) (Thripidae):					
Zea mays (corn)	Mexico	1	----	----	Ariz.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Fundella pellucens (Zell.) (Phycitidae):					
Cajanus cajan (pigeonpea)	Bahamas, Barbados	3			N.Y., P.R.
Phaseolus vulgaris var. (string bean)	Surinam	1			N.Y.
Pisum sativum (pea)	Puerto Rico	1			P.R.
Vigna catjang (catjang cowpea)	Anguilla	1			St. Thomas & St. John.
V. sinensis (cowpea)	Panama	2			N.Y.
Furcaspis biformis (Ckll.) (Coccidae):					
Brassavola nodosa (orchid)	Canal Zone			2	Fla., N.J.
Bromeliad	Ecuador			4	Fla.
Cattleya sp. (orchid)	Brazil, Canal Zone, Hawaii.			5	Fla., Hawaii, N.J.
Dendrobium sp. (orchid)	Hawaii			1	Hawaii.
Epidendrum sp. (orchid)	Canal Zone			2	Fla.
Oncidium sp. (orchid)	Antigua, Canal Zone, Jamaica, Panama.			4	Fla.
Orchid	Canal Zone, Costa Rica, Guatemala, Hawaii, Honduras, Mexico, Panama, Venezuela.			13	Fla., Hawaii, Tex.
Rodriguezia secunda (orchid)	Canal Zone			1	Fla.
Schomburgkia lueddemannii (orchid)	do			1	Calif.*
Tillandsia cyanea	Ecuador			1	Fla.
Vanda sp. (orchid)	Philippines			1	Calif.*
Furcaspis oceanica Ldgr. (Coccidae):					
Cocos nucifera (coconut)	Eniwetok, Hawaii, Kwajalein.	5			Hawaii.
Galgupha punctifer McA. & Mall. (Pentatomidae):					
Bromeliad	Costa Rica, Mexico			3	Calif.,* Tex.
Orchid	Mexico			1	Tex.
Galgupha texana McA. & Mall. (Pentatomidae):					
Orchid	do			1	Tex.
Geniocremnus chilensis (Boh.) (Curculionidae):					
Prunus persica (peach)	Chile	1			N.Y.
Geotomus pygmaeus (Dallas) (Pentatomidae):					
Airplane	Canton Island, West Pacific.		2		Hawaii.
Anthurium andraeanum	Hawaii	1			Hawaii.
Baggage	do	1			Hawaii.
Flowers—assorted	do	1			Hawaii.
Mail parcel	do	1			Hawaii.
Vanda sp. (orchid)	do	1			Hawaii.
Geotomus spinolai Sign. (Pentatomidae):					
Epidendrum sp. (orchid)	Panama			1	P.R.
Gibbobruchus speculifer (Gyll.) (Bruchidae):					
Bauhinia sp.	Brazil			1	D.C.
Gnorimoschema gudmannella (Wlsm.) (Gelechiidae):					
Capsicum frutescens (pepper)	Mexico	1			Ariz.
C. frutescens longum (chile pepper)	do	1			Tex.
Gnorimoschema ocellatella (Boyd) (Gelechiidae):					
Beta vulgaris (beets)	Egypt		4		Pa.
Gnorimoschema plaesiosema (Turner) (Gelechiidae):					
Lycopersicon esculentum (tomato)	Australia		1		Hawaii.
Solanum muricatum (pepino)	Chile		1		Pa.
Gracilaria azaleela Brants (Gracilariidae):					
Rhododendron japonicum (Japanese azalea)	Netherlands			1	N.J.
Rhododendron sp. (azalea)	Japan, Netherlands			2	Hawaii, N.J.
Grapholitha janthiana (Dup.) (Olethreutidae):					
Malus sylvestris (apple)	France	1			Mass.
Gymnococcus agavium (Dougl.) (Coccidae):					
Agave schottii	Mexico			1	Ariz.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Gynaikothrips ficorum (Marchal)(?) (Phlaeothripidae):					
Airplane	Cuba	----	1	----	Fla.
Haplothrips aculeatus (F.) (Phlaeothripidae):					
Gladiolus sp.	Germany	----	1	----	N.Y.
Pseudotsuga sp. (Douglas-fir)	Switzerland	----	----	1	N.Y.
Rhododendron sp. (azalea)	Belgium, Netherlands	----	----	2	Wash.
Haplothrips clarisetis Pr.(?) (Phlaeothripidae):					
Aster sp.	Mexico	1	----	----	Calif.
Pisum sativum	do	1	----	----	Calif.
Haplothrips cottei (Vuillet) (Thripidae):					
Dianthus caryophyllus (carnation)	Portugal	1	----	----	N.Y.
Haplothrips gowdeyi (Frankl.) (Phlaeothripidae):					
Alloteropsis semialata	Union of South Africa	----	----	1	D.C.
Antirrhinum majus (snapdragon)	Haiti	1	----	----	N.Y.
Bougainvillea sp.	Bahamas	1	----	----	Fla.
Centaurea cyanus (cornflower)	Australia	1	----	----	Hawaii.
Chrysanthemum sp.	Fiji Islands	----	1	----	Hawaii.
Dianthus caryophyllus (carnation)	Australia	1	----	----	Hawaii.
Euphorbia pulcherrima (poinsettia)	Honduras	1	----	----	Fla.
Flowers	Brazil, Haiti, South America (country (?)).	3	1	----	Fla., N.Y., P.R.
Foeniculum vulgare (fennel)	Bermuda	1	----	----	N.Y.
Freesia sp.	do	1	----	----	Mass.
Gardenia augusta	Cuba	1	----	----	N.Y.
Mentha sp. (mint)	do	1	----	----	N.Y.
Ornithogalum sp.	Union of South Africa	1	----	----	N.Y.
Paeonia sp.	Japan	1	----	----	Hawaii.
Rhododendron sp.	Cuba	1	----	----	N.Y.
Rosa sp.	Australia, Japan	2	----	----	Hawaii, Wash.
Tagetes patula (French marigold)	Japan	1	----	----	Hawaii.
Zinnia sp.	Australia	1	----	----	Hawaii.
Haplothrips nigricornis (Bagn.)(?) (Phlaeothripidae):					
Ornithogalum thyrsoides (Cape chinkerichee)	Union of South Africa	1	----	----	N.Y.
Helicella caperata (Montagu) (Helicellidae):					
Cuttings	Ireland	----	----	1	Mass.
Lactuca sativa (lettuce)	France	----	1	----	P.R.
Military cargo	France, Luxembourg	4	----	----	La., N.J., N.C., Va.
Soil	Germany, Italy	2	----	----	N.Y., Tex.
Helicella derbentina (Andrzejowski) (?) (Helicellidae):					
Military cargo	Turkey (?)	1	----	----	N.J.
Helicella itala (L.) (Helicellidae):					
Lactuca sativa (lettuce)	Italy	----	1	----	N.Y.
Mentha sp. (mint)	do	1	----	----	Mass.
Military cargo	France	1	----	----	Va.
Helicella maritima Draparnaud (Helicellidae):					
Brassica oleracea capitata (cabbage)	do	----	1	----	Pa.
Cannabis sativa (hemp)	Spain	----	----	1	D.C.
Fragaria sp. (strawberry)	France	1	----	----	N.Y.
Military cargo	Greece, Italy, Libya, Morocco.	8	----	----	La., N.Y.
Prunus domestica (plum)	Spain	----	1	----	N.Y.
Rosa sp.	France	1	----	----	N.Y.
Soil with *Colocasia esculenta* (dasheen)	Italy	----	----	1	N.Y.
Soil with unidentified plants	do	----	----	1	Mass.
Helicella neglecta (Draparnaud) (Helicellidae):					
Military cargo	Italy, Libya	2	----	----	La.
Helicella pyramidata (Draparnaud) (Helicellidae):					
Pimpinella anisum (anise)	Italy	1	----	----	N.Y.
Military cargo	Turkey (?)	1	----	----	N.J.
Helicella striata (Müller) (Helicellidae):					
Soil with cuttings	Italy	----	----	1	N.Y.
Helicella trochoides (Poiret) (Helicellidae):					
Military cargo	Morocco	1	----	----	La.

Pests Collected and Reported From July 1, 1958, Throubh June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Helix aspersa (Müller) (Helicidae):					
Allium porrum (leek)	France		1		P.R.
Automobile	Mexico		1		Tex.
Calathium sp.	do			1	Tex.
Camellia sp.	England	1			N.Y.
Citrus limon (lemon)	Spain		1		Tex.
C. sinensis (orange)	Peru		1		N.Y.
Citrus sp.	Azores	1			Mass.
Crate	Spain		1		La.
Military cargo	France	2			La., Ohio.
None (brought in as food)	Italy	1			N.Y.
Orchid	Mexico			1	Tex.
Petroselinum crispum (parsley)	Azores		1		Pa.
Philodendron sp.	Mexico			1	Tex.
Helix cincta Müller (Helicidae):					
Baggage	Italy	1			N.Y.
Helix figulina Parreyss (Helicidae):					
Galanthus sp.	Greece	1			Ill.
Hellula undalis (F.) (Pyraustidae):					
Brassica rapa (turnip)	Egypt		1		Pa.
Heraeus eximus Dist. (Lygaeidae):					
Musa paradisiaca (plantain)	Guatemala	1			La.
Hercinothrips bicinctus (Bagn.) (Thripidae):					
Araceae	Azores			1	N.J.
Plants—miscellaneous	Germany			1	Mass.
Hesperolabops gelastops Kirkaldy (Miridae):					
Cactus	Mexico			1	Tex.
Opuntia sp.	do			1	Tex.
Heterobostrychus aequalis (Waterh.) (Bostrichidae):					
Khaya sp. (mahogany)	Philippines	1			S.C.
Wood (crate)	India, Philippines	5			Fla., S.C. Wash.
Hexachaeta monostigma Hend. (Tephritidae):					
With palm leaf	Mexico	1			Tex.
Holocacista rivillei (Stt.) (?) (Heliozelidae):					
Vitis sp. (grape)	Italy	1			Mass.
Homoeocamia mexicana (Burm.) (Polyphagidae):					
Mail parcel	Mexico	1			Tex.
Homothrips distinctus Bagn. (Thripidae):					
Protea spp.	Union of South Africa	3			N.Y.
Homotoma ficus (L.) (Psyllidae):					
Ficus sp. (fig)	Italy			1	N.Y.
Hygromia cinctella (Draparnaud) (Hellicellidae):					
Soil with plants	do			1	N.Y.
Hylurgops palliatus (Gyll.) (Scolytidae):					
Wood (crate)	Belgium	2			Fla.
Hypsipyla ferrealis (Hamp.) (Phycitidae):					
Carapa sp. (crabwood)	Venezuela	2			N.Y.
Icerya seychellarum (Westw.) (Coccidae):					
Rhapis sp. (?)	Philippines			1	Hawaii.
Ips acuminatus (Gyll.) (Scolytidae):					
Pinus sp. (pine)	Japan	1			Hawaii.
Ips borealis Sw. (Scolytidae):					
Picea sp. (spruce)	Canada		1		Fla.
Ips calligraphus (Germ.) (Scolytidae):					
Pinus sp. (pine)	Bahamas	2			Fla.
Ips typographus (L.) (Scolytidae):					
Bark	Germany	1			N.J.
Pinus sp. (pine)	Norway	1			N.Y.
Wood (crate)	Sweden	1			Fla.
Iridomyrmex humilis Mayr (Formicidae):					
Antirrhinum majus (snapdragon)	Bermuda	1			N.Y.
Baggage	Azores, unknown	2			Mass., N.Y.
Chrysanthemum sp.	Bermuda	1			N.Y.
Citrus sinensis (orange)	Malta	1			N.Y.
Dianthus caryophyllus (carnation)	Italy, Portugal	3			N.Y.
Flowers	Bermuda, Union of South Africa.	4			N.Y.
Fruit	Bermuda	1			Mass.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Iridomyrmex humilis Mayr (Formicidae)—Continued					
Gladiolus sp.	Italy	1			Mass.
Hibiscus sp.	Bermuda	2			Mass.
Lactuca sativa (lettuce)	Unknown		1		N.Y.
Lathyrus odoratus (sweetpea)	Portugal	1			N.Y.
Lilium sp. (lily)	Bermuda	3			Mass., N.Y.
Lycoris sp.	do	1			N.Y.
Papaver sp. (poppy)	Italy	1			N.Y.
Pelargonium sp.	Mexico			1	Calif.
Protea spp.	Union of South Africa	1			N.Y.
Prunus domestica (plum)	Chile	2			N.Y.
Strelitzia sp.	France	1			N.Y.
Succulent plants	Bermuda	1			N.Y.
Iridomyrmex iniquus Mayr (Formicidae):					
Bromeliad	Costa Rica			1	Fla.
Epidendrum sp. (orchid)	Guatemala			1	N.J.
Orchid	Ecuador			2	N.Y.
Iridomyrmex keiteli subfasciatus Whlr. & Mann (Formicidae):					
Delphinium sp.	Haiti	1			Fla.
Iridomyrmex pilifer Mayr (Formicidae):					
Agapanthus sp.	Colombia	1			N.Y.
Anthurium sp.	do	1			N.Y.
Isoneurothrips australis Bagn. (Thripidae):					
Dianthus caryophyllus (carnation)	Azores	1			Pa.
Isoneurothrips obscuratus Cwfd. (?) (Thripidae):					
Rosa sp.	Australia		1		Hawaii.
Isorhinus undatus Champ. (Curculionidae):					
Orchid	Mexico			1	Tex.
Kleidocerys ericae Horvath(?) (Lygaeidae):					
Calluna vulgaris (heather)	Germany	1			N.Y.
Lachnopus hispidus (Gyll.) (Curculionidae):					
Airplane	Cuba		1		Fla.
Lamellaxis gracilis (Hutton) (Achatinidae):					
Orchid	Costa Rica			1	Fla.
Plants—miscellaneous	Colombia			1	Fla.
Lamellaxis gracilis juncea (Gould) (Achatinidae):					
Colocasia antiquorum (taro)	American Samoa	1			Hawaii.
Lamellaxis mauritianus (Pfeiffer) (Achatinidae):					
Soil with *Mentha* sp. (mint) plants	Cuba	2			Fla.
Lampides boeticus (L.) (Lycaenidae):					
Canavalia sp. (mauna loa)	Hawaii	19			Calif.,* Hawaii.
Pisum sativum (pea)	do	1			Calif.*
Sesbania grandiflora	do	1			Hawaii.
Sesbania sp.	do	1			Hawaii.
Laspeyresia araucaria Pastrana(?) (Olethreutidae):					
Araucaria sp.	Brazil			1	La.
Laspeyresia splendana (Hbn.) (Olethreutidae):					
Castanea sp. (chestnut)	France, Greece, Italy, Portugal, Spain, Yugoslavia.	62	1		Ill., Mass., N.Y.
Quercus suber (cork oak)	Italy			1	N.J.
Quercus spp.	Italy, Morocco(?)	1		1	La., N.J.
Lecanium corni Bouché (Coccidae):					
Chrysanthemum sp.	Poland	1			Ill.
Sorbus sp. (mountainash)	Norway	1			N.Y.
Lepidosaphes conchiformis (Gmel.) (Coccidae):					
Chaenomeles sp. (flowering quince)	Japan			1	Wash.
Pyrus communis (pear)	do	1			Calif.*
Lepidosaphes conchiformis (Gmel.) (tentative) (Coccidae):					
Diospyros kaki (kaki persimmon)	do	1			Hawaii.
Lepidosaphes esakii Tak. (Coccidae):					
Cocos nucifera (coconut)	Eniwetok, Guam, Kwajalein.	5			Calif.,* Hawaii, Wash.
Lepidosaphes ficus (Sign.) (Coccidae):					
Ficus sp. (fig)	Italy			1	N.J.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Lepidosaphes philococcus (Ckll.) (Coccidae):					
Cactus	Mexico			3	Tex.
Lepidosaphes pini (Mask.) (Coccidae):					
Pinus parviflora (Japanese white pine)	Japan			1	Calif.*
Pinus sp.	do			1	Hawaii.
Lepidosaphes tokionis (Kuw.) (Coccidae):					
Codiaeum variegatum (variegated codiaeum)	Australia, Bahamas, Fiji Islands, Hawaii, South Pacific, Trinidad.	10	3	5	D.C., Fla., Hawaii.
Codiaeum variegatum 'Pictum'	Australia	1			Hawaii.
Codiaeum variegatum 'Punctatumaureum'	Barbados			2	Mass.
Codiaeum sp.	Fiji Islands			1	Hawaii
Lepidosaphes tuberculata Mal. (Coccidae):					
Cymbidium virescens (orchid)	Formosa			1	Calif.*
Cymbidium sp.	Australia, Formosa, Japan, Philippines.	1		12	Calif.,* Hawaii, Hawaii,* N.J., N.Y.
Cymbidium vars.	Australia, Formosa, Japan.			12	Calif.*
Orchid	Japan			1	Hawaii.*
Lepidosaphes tubulorum Ferris (Coccidae):					
Leaf—unidentified	do	1			Hawaii.
Leptoglossus chilensis (Spin.) (Coreidae):					
Vitis sp. (grape)	Chile	16			Fla., N.Y.
Leptopharsa tenuis (Champ.) (Tingidae):					
Orchid	Mexico			1	Tex.
Leptura fulva DeG. (Cerambycidae):					
Fruit	Europe (country(?))		1		N.Y.
Leucaspis cockerelli (de Charm.) (Coccidae):					
Citrus aurantifolia (lime)	Colombia, El Salvador	1	1		Calif.*
C. grandis (pummelo)	Hawaii		1		Calif.*
C. limon (lemon)	Costa Rica, Guatemala	2			Calif.*
C. paradisi (grapefruit)	Cuba		1		Calif.*
C. sinensis (orange)	Cuba, Panama		2		Calif.*
Dictyosperma album furfuraceum (palm)	Brazil			1	D.C.
Palm	Honduras			1	Fla.
Leucaspis loewi Colvee (Coccidae):					
Pinus sp. (pine)	Germany	1			Tex.
Leucaspis pusilla Loew (Coccidae):					
Pinus sp. (pine)	Iraq	1			Tex.
Leucaspis riccae Targ. (Coccidae):					
Olea europaea (olive)	Greece	1			N.Y.
Leucinodes orbonalis Guen. (Pyraustidae):					
Solanum sp.	Liberia	1			N.Y.
Leucochroma corope (Cram.) (Pyraustidae):					
Airplane	Panama		1		Fla.
Leucoptera coffeella G.-M. (Lyonetiidae):					
Coffea sp.	Brazil, Costa Rica, Mexico.	3			Fla., N.Y., Tex.
Ligyrocoris auriviliana (Dist.) (Lygaeidae):					
Cucumis melo cantalupensis (cantaloupe)	Mexico	1			Ariz.
Dioon edule	do			2	Tex.
Orchid	Costa Rica, Mexico			2	Tex.
Limax marginatus (Müller) (Limacidae):					
Flowers	Guatemala	1			La.
Orchid	Costa Rica, Mexico			6	Fla., Tex.
Soil with ferns	Portugal			2	Fla.
Limax maximus L. (Limacidae):					
Brassica oleracea capitata (cabbage)	Italy		1		Pa.
Limax maximus L.(?) (Limacidae):					
Orchid	Colombia			1	Fla.
Limothrips denticornis (Hal.) (Thripidae):					
Begonia sp.	Germany			1	N.Y.
Calluna vulgaris (heather)	Scotland	1			N.Y.
Convallaria majalis (lily-of-the-valley)	Denmark			1	N.Y.
Fagus sylvatica (European beech)	do			1	N.Y.
Listroderes subcinctus (Boh.) (Curculionidae):					
Prunus persica (peach)	Chile	1			N.Y.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Lobesia botrana (Schiff.) (Olethreutidae):					
Vitis sp. (grape)	France		1		Mass.
Lophothetes hirsutus (Zimm.) (Curculionidae):					
Brassica chinensis (Chinese cabbage)	Mariana Islands	1			Hawaii.
Lucanus cervus (L.) (Lucanidae):					
Airplane	Germany		1		N.J.
Lyctus africanus Lesne (Lyctidae):					
Wood (crate)	India	3			N.Y.
Lygaeus albo-ornatus Blanch. (Lygaeidae):					
Allium cepa (onion)	Chile	1			N.Y.
Lygaeus pandurus (Scop.) (Lygaeidae):					
Airplane	Unknown		1		S.C.
Mamestra brassicae (L.) (Noctuidae):					
Airplane	Guam(?)		1		Hawaii.
Brassica oleracea capitata (cabbage)	France, Japan	1	1		St. Thomas & St. John, Wash.
Maruca testulalis (Geyer) (Pyraustidae):					
Cajanus cajan (pigeonpea)	Puerto Rico	11			N.Y., P.R.
Canavalia microcarpa	Hawaii	1		1	Hawaii.
Canavalia sp.	do	9			Calif.* Hawaii.
Phaseolus vulgaris var. (string bean)	Brazil, Puerto Rico, Trinidad.	1	2		Fla., Pa.,
Sesbania grandiflora	Hawaii	1			Hawaii.
Mecolaemus carvalhoi (Costa Lima) (Miridae):					
Oncidium sp. (orchid)	Costa Rica			1	Fla.
Meyacerus alternatus Bridw. (Bruchidae):					
Operculina tuberosa (wood-rose)	Hawaii	1			Hawaii.
Megachile fullawayi Ckll. (Megachilidae):					
Airplane	Palmyra Island(?)		1		Hawaii.
Megalonotus chiragra (Fabr.) (Lygaeidae):					
Erica sp. (heath)	Canada			1	Wash.
Megastigmus pistaciae Wlk. (Torymidae):					
Schinus terebinthifolia (Brazil peppertree)	Union of South Africa			1	N.J.
Megastigmus suspectus pinsapinis Hffm. (Torymidae):					
Cedrus libani (Cedar-of-Lebanon)	Turkey			1	N.J.
Melanocoryphus circumlitus (Stal) (Lygaeidae):					
Orchid	Mexico			1	Fla.
Melanoides tuberculata (Müller) (Thiaridae):					
Marsilea quadrifolia(?) (aquatic plant)	Australia			1	Calif.*
Metamasius hemipterus hemipterus (L.) (Curculionidae):					
Airplane	Puerto Rico		1		P.R.
Musa paradisiaca sapientum (banana)	Dominican Republic, Puerto Rico.	3			Fla., P.R.
Metamasius hemipterus sericeus (Ol.) (Curculionidae):					
Airplane	Cuba		1		Fla.
Chamaedorea oblongata	Mexico	1			Tex.
Hibiscus esculentus (okra)	Cuba	1			La.
Musa paradisiaca sapientum (banana)	Ecuador, Guatemala, Honduras, Panama.	43	1		La., Md., N.Y., Pa., S.C.
Metioche vittaticollis (Stal) (Gryllidae):					
Dioscorea sp. (yam)	Hawaii	1			Hawaii.
Mail parcel	do	1			Hawaii.
Metopoplax ditomoides (Costa) (Lygaeidae):					
Herb—medicinal	Cuba	1			Fla.
Military cargo	Morocco(?), unknown	2			La., N.J.
Miccotrogus picirostris (F.) (Curculionidae):					
Orchid	France			1	N.Y.
Micrapate labialis Lesne (Bostrichidae):					
Wood (crate)	Mexico	1			Ariz.
Micrelus ericae (Gyll.) (Curculionidae):					
Calluna vulgaris (heather)	Scotland	1			N.Y.
Milax gagates (Draparnaud) (Limacidae):					
Brassica oleracea capitata (cabbage)	Italy		2		Pa.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Mimosestes dominicanus (Jek.) (Bruchidae):					
Caesalpinia coriaria	Mexico	1			Tex.
Minthea rugicollis (Wlk.) (Lyctidae):					
Bamboo	Vietnam	1			Hawaii.
Wood	Colombia, Haiti	2			La., P.R.
Miogryllus ensifer (Scudd.) (Gryllidae):					
Orchid	Panama			1	Fla.
Mocis frugalis (F.) (Noctuidae):					
Airplane	Guam(?), Midway Islands(?).		2		Hawaii.
Monacha cantiana (Montagu) (Helicellidae):					
Sphagnum moss with tree	Italy			1	N.Y.
Monacha schotti (Pfeiffer) (Helicellidae):					
Peat moss	Israel	1			N.Y.
Monanthia lupuli (H.-S.) (Tingidae):					
Trifolium sp. (clover)	Yugoslavia			1	D.C.
Monomorium destructor (Jerd.) (Formicidae):					
Allium sativum (garlic)	Italy	1			P.R.
Ansellia sp. (orchid)	East Africa			1	N.Y.
Aponogeton sp.	Ceylon			2	N.Y.
Averrhoa sp.	Philippines	1			Hawaii.
Blighia sapida (akee)	Jamaica	1			N.Y.
Dioscorea sp. (yam)	do	1			N.Y.
Fruit—unidentified	Bahamas	1			N.Y.
Lilium sp. (lily)	Dominican Republic	1			N.Y.
Samanea saman (raintree saman)	Philippines	1			Hawaii.*
Tamarindus sp.	do	1			Hawaii.
Zea mays (corn)	Haiti	1			Fla.
Moryanella longispina (Morg.) (Coccidae):					
Citrus grandis (pummelo)	Tahiti		1		Hawaii.
C. grandis var. *sarawak*	do	1			Hawaii.
C. reticulata (Mandarin orange)	Japan		1		Calif.*
Citrus sp.	New Caledonia			1	D.C.
Mormidea pictiventris Stal (Pentatomidae):					
Orchid	Mexico			1	Tex.
Mormidea pictiventris of authors (Pentatomidae):					
Orchid	Cuba			1	Fla.
Myodocha giraffa Stal (Lygaeidae):					
Orchid	Mexico			1	Tex.
Myrmecophila americana Sauss. (Gryllidae):					
Anthurium sp.	do			1	Tex.
Myrmedobia distinguenda Reut. (Microphysidae):					
Calluna vulgaris (heather)	England	1			N.Y.
Myzus anselliae Hall (Aphidae):					
Ansiella nilotica (orchid)	Kenya			1	Hawaii.
Myzus ascalonicus Donc. (Aphidae):					
Allium cepa (onion)	Ireland	1			N.Y.
Flowers—assorted	England, unknown	3			Mass., N.J., N.Y.
Lactuca sativa (lettuce)	Europe (country(?))		1		N.Y.
Soil with *Primula* sp. (primrose)	England			1	N.J.
Nasutitermes corniger (Motsch.) (Termitidae):					
Palm	Mexico	1			Tex.
Nasutitermes costalis (Holmgr.) (Termitidae):					
Orchid	Trinidad			1	N.Y.
Nasutitermes ephratae (Holmgr.) (Termitidae):					
Orchid	Venezuela			1	Fla.
Nasutitermes rippertii (Rambur) (Termitidae):					
Wood	Cuba	1			Fla.
Naupactus xanthographus (Germ.) (Curculionidae):					
Vitis sp. (grape)	Argentina, Chile	6			Calif.,* La., N.Y.
Neoclytus acuminatus (F.) (Cerambycidae):					
Quarters of ship	Venezuela(?)		1		Tex.
Neodryocoetus guianae Blkm. (Scolytidae):					
Cajanus cajan (pigeonpea)	British Guiana	2			La., Pa.
Neoleucinodes elegantalis (Guen.) (Pyraustidae):					
Lycopersicon esculentum (tomato)	Mexico	1			Tex.
Solanum melongena (eggplant)	Brazil	1	1		Fla., N.Y.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959--Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Nephotettix apicalis (Motsch.) (Cicadellidae):					
Airplane	Guam, Japan, Kwajalein(?), West Pacific.	----	5	----	Hawaii.
Newsteadia floccosa (deGeer) (Coccidae):					
Rosa sp.	Spain	----	----	1	N.Y.
Nipponaclerda biwakoensis (Kuw.) (Coccidae):					
Juncus sp. (rush)	Japan	1	----	----	Calif.*
Niveaspis vulcanicus Ferris (tentative). (Coccidae):					
Echeveria sp.	Ecuador	----	----	1	Calif.*
Notoxramma stigma (F.) (Ortuidae):					
Airplane	Christmas Island	----	1	----	Hawaii.
Nysius cuenosulus Stal (Lygaeidae):					
Orchid	Hawaii	1	----	----	Hawaii.
Vanda joaquimiae (orchid)	----do	1	----	----	Hawaii.
Vanda sp.	----do	6	----	----	Hawaii.
Nysius plebeius Dist. (Lygaeidae):					
Airplane	Japan	----	1	----	Hawaii.
Baggage	----do	----	1	----	Hawaii.
Nysius raphanus Howard (Lygaeidae):					
Airplane	Cuba	----	1	----	Fla.
Brassica oleracea capitata (cabbage)	Mexico	1	----	----	Calif.
Chrysanthemum sp.	----do	1	----	----	Tex.
Cucumis sativus (cucumber)	----do	1	----	----	Ariz.
Gossypium sp. (cotton; flower)	----do	1	----	----	Tex.
Matthiola sp.	----do	1	----	----	Calif.
Portulaca oleracea (purslane)	----do	2	----	----	Tex.
Ochrimus collaris (F.) (Lygaeidae):					
Baggage	Puerto Rico	2	----	----	P.R.
Ochrimnus vittiscutis (Stal) (Lygaeidae):					
Yucca sp.	Mexico	----	----	1	Tex.
Odonaspis greenii Ckll. (Coccidae):					
Bamboo	Hawaii	1	----	----	Hawaii.
Odonaspis lobulatus (Mask.) (Coccidae):					
Bambusa sp. (bamboo)	Japan	1	----	----	Calif.*
Oedancala bimaculata (Dist.) (Lygaeidae):					
Orchid	Mexico	----	----	1	Ariz.
Oligonychus perditus P. & B. (Tetranychidae):					
Juniperus sp. (juniper)	Japan	----	----	1	Wash.
Opuntiaspis carinata (Ckll.) (Coccidae):					
Nolina sp.	Mexico	----	----	1	Tex.
Orchamoplatus citri (Takah.) (Aleyrodidae):					
Citrus sp.	Australia	----	1	----	Hawaii.
Orchamoplatus mammaeferus (Q. & B.) (Aleyrodidae):					
Codiaeum variegatum (variegated codiaeum)	Australia, Fiji Islands, Japan, South Pacific.	4	7	2	Hawaii.
C. variegatum 'Pictum'	Australia	1	----	----	Hawaii.
Codiaeum sp.	Fiji Islands	----	----	1	Hawaii.
Orellia punctata (Schr.) (Tephritidae):					
Carthamus tinctorus (safflower)	Jordan	----	----	1	D.C.
Orocharis vaginalis Sauss. (Gryllidae):					
Codiaeum variegatum (variegated codiaeum)	Tortola	----	----	1	St. Thomas & St. John
Orsillus depressus Dallas (Lygaeidae):					
Chamaecyparis lawsoniana (Lawson falsecypress).	Italy	----	----	1	N.J.
Orthezia praelonga Dougl. (Coccidae):					
Orchid	Trinidad	----	1	----	P.R.
Orthezia pseudinsignis Morr. (Coccidae):					
Citrus sp.	Mexico	2	----	----	Tex.
Solanum muricatum (pepino)	Guatemala	----	----	1	D.C.
Otala lactea (Müller) (Helicidae):					
Military cargo	Greece	1	----	----	N.Y.
Otala vermiculata (Müller) (Helicidae):					
Military cargo	Morocco, unknown	2	----	----	La., N.J.
Otosema odorata (L.) (Noctuidae):					
Airplane	Hawaii	----	1	----	Hawaii.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Oxychilus alliarius (Müller) (Zonitidae):					
Soil with *Leontopodium* sp. (edelweiss)	Germany			1	Mich.
Soil with moss	Iceland	1			N.J.
Soil with plants	Union of South Africa			1	Mass.
Oxychilus cellarius (Müller) (Zonitidae):					
Dianthus caryophyllus (carnation)	England			1	N.Y.
Oxydema fusiforme Woll. (Curculionidae):					
Mail parcel	Hawaii	1			Hawaii.
Pachybrachius nietneri (Dohrn) (Lygaeidae):					
Orchid	Philippines			1	Calif.*
Pachybrachius nigriceps (Dallas) (Lygaeidae):					
Airplane	Guam(?)		1		Hawaii.
Pagiocerus fiorii (Eggers) (Scolytidae):					
Zea mays (corn)	Colombia, Cuba, Ecuador, Peru.	9			Fla., N.J., N.Y.
Paleopus costicollis Mshl. (Curculionidae):					
Dioscorea sp. (yam)	Trinidad, Venezuela	2			Fla., N.Y.
Ipomoea batatas (sweetpotato)	Jamaica		1		Tex.
Pallantia maculata Dallas (Pentatomidae):					
Orchid	Mexico			1	Tex.
Palomena angulosa (Motshulsky) (Pentatomidae):					
Ligustrum acuminatum (sharpleaf privet)	Japan			1	D.C.
Palpita unionalis (Hbn.) (Pyraustidae):					
Jasminum sp. (jasmine)	France	1			N.Y.
Pariscboenus expositus Champ. (Curculionidae):					
Chamaedorea oblongata	Mexico	2			Tex.
Pariscboenus flavolimbatus Champ. (Curculionidae):					
Chamaedorea oblongata	do	17		2	Tex.
Parlatoria chinensis Marl. (Coccidae):					
Spondias purpurea (purple mombin)	Philippines	1			Hawaii.
Parlatoria cinerea Hadden (Coccidae):					
Citrus aurantifolia (lime)	Brazil, Trinidad		2		Calif.*
C. aurantifolia (sour lime)	Japan(?), Panama		2		Calif.,* Hawaii.
C. limon (lemon)	Italy, Trinidad		3		Calif.,* Pa.
C. paradisi (grapefruit)	Brazil, Panama, Trinidad.		3		Ala., Calif.*
C. reticulata (Mandarin orange)	Brazil		1		Calif.*
C. sinensis (orange)	Argentina, Brazil, Union of South Africa, unknown.	1	5		Calif.,* Fla.
Parlatoria crotonis Dougl. (Coccidae):					
Codiaeum variegatum (variegated codiaeum)	Hawaii	3			Hawaii.
Codiaeum sp.	do		2		Calif.*
Parlatoria oleae (Colvee) (Coccidae):					
Diospyros sp. (persimmon)	Italy	1			N.Y.
Olea europaea (olive)	do			1	N.Y.
Olea sp.	Greece			1	D.C.
Prunus domestica (plum)	Malta	1			Mich.
Sorbus domestica (servicetree mountainash)	Greece		1		N.J.
Parlatoria pseudaspidiotus Ldgr. (Coccidae):					
Orchid	Burma, Panama			3	Fla., N.Y.
Phalaenopsis leucorrhoda (orchid)	Philippines			1	Calif.*
Vanda joaquimiae (orchid)	Hawaii	2		1	Hawaii.
Vanda sp.	Canal Zone, Hawaii			2	Fla., Hawaii
Parlatoria zizyphus (Lucas) (Coccidae):					
Citrus aurantifolia (lime)	Philippines		1		Calif.*
C. grandis (pummelo)	China, Fiji Islands, Hawaii, Hong Kong.	6			Calif.,* Hawaii.
C. limon (lemon)	Japan, unknown	3	2		Calif.,* Hawaii.
C. paradisi (grapefruit)	Algeria, Hawaii		2		Calif.*
C. reticulata (Mandarin orange)	China, Formosa, Hong Kong, Indonesia, Italy, Japan, Okinawa, Philippines, unknown, Vietnam.	13	7		Calif.,* Hawaii, Mass.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Parlatoria zizyphus (Lucas) (Coccidae—Con.					
C. reticulata var. (King orange)	Formosa, Japan, Philippines, Thailand.	4	1		Hawaii.
C. sinensis (orange)	China, Hawaii, Hong Kong, Italy, Japan, Okinawa, Philippines, Spain, Tunisia, unknown.	5	7		Calif.,* Hawaii, Mass.
Citrus sp.	China, Hong Kong	1		1	D.C., Hawaii.
Paroecanthus annulatus (Scudd.) (Gryllidae):					
Airplane	Nicaragua		2		Fla.
Parthenothrips dracaenae (Heeger) (Thripidae):					
Flowers—assorted	Sweden	1			N.Y.
Pealius azaleae (B. & M.) (Aleyrodidae):					
Rhododendron simsii (indian azalea)	England			1	N.J.
Pealius hibisci (Kot.) (Aleyrodidae):					
Gardenia augusta	Hawaii	1			Hawaii.
Pectinophora gossypiella (Saund.) (Gelechiidae):					
Gossypium barbadense (cotton; boll)	do	1			Hawaii.
Gossypium sp. (cotton; boll)	Cuba, Jamaica, Mexico, Trinidad.	3		1	Fla., N.Y., P.R., Tex.
Gossypium sp. (cottonseed)	Brazil, Hawaii, Mexico, Puerto Rico.	7	1		Calif.,* Fla., La., Tex.
Gossypium sp. (seed cotton)	Mexico		2		Tex.
Hibiscus esculentus (okra)	Dominican Republic	2	1		N.Y., Pa., P.R.
Pectinophora scutigera (Hold.) (Gelechiidae):					
Gossypium sp. (cotton; boll)	Hawaii	1			Hawaii.
Pentalonia nigronervosa Coq. (Aphidae):					
Alpinia purpurata	do	5			Hawaii.
Mangifera indica (mango)	Cuba	1			N.Y.
Mentha sp.	Guam			1	Wash.
Musa sp.	American Samoa	1			Hawaii.
Strelitzia sp.	Belgian Congo, Puerto Rico.	1	1		Ala., N.Y.
Zingiber sp. (ginger)	Hawaii	2			Hawaii.
Pentamerismus oregonensis McG. (Tenuipalpidae):					
Juniperus chinensis (pyramid Chinese juniper)	Japan			1	Hawaii.*
Pentarthrum huttoni Woll. (Curculionidae):					
Dahlia sp.	France	1			Ill.
Perkinsiella saccharicida Kirk. (Delphacidae):					
Coccoloba uvifera (common seagrape)	Hawaii	1			Hawaii.
Pheidole megacephala (F.) (Formicidae):					
Alpinia purpurata	do	1			Hawaii.
Ananas comosus (pineapple)	Cuba	2			N.Y.
Burlap bag	Unknown	1			N.Y.
Cabomba sp.	Cuba			1	N.Y.
Cocos nucifera (coconut)	Palmyra Island			1	Hawaii.
Dendrobium sp. (orchid)	Australia			1	Hawaii.
Driftwood	Bermuda	1			Mass.
Heliconia sp.	Hawaii	1			Hawaii.
Herbs	Puerto Rico	1			Ill.
Hibiscus esculentus (okra)	Cuba	1			N.Y.
Leucaena glauca	Hawaii	1			Hawaii.
Lilium sp. (lily)	Bermuda	1			N.Y.
Mentha sp. (mint)	Cuba	1			N.Y.
Nothopanax guilfoylei	Fiji Islands		1		Hawaii.
Orchid	British Honduras, Cuba, Hawaii, Honduras.	1		3	Fla., N.Y., Hawaii.
Plant—unidentified	Cape Verde Islands			1	N.Y.
Sechium edule (chayote)	Cuba	1			N.Y.
Succulent	Bermuda	1			N.Y.
Phelypera distigma Boh. (Curculionidae):					
Bromeliad	Mexico			1	Tex.
Orchid	do			3	Tex.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Phenacoccus hirsutus Green (Coccidae):					
Spondias purpurea (purple mombin)	Philippines	1			Hawaii.
Phenacoccus stelli (Brain) (Coccidae):					
Protea sp.	Union of South Africa	1			Tex.
Philaenus leucophthalmus (L.) (Cercopidae):					
Cynara scolymus (artichoke)	France	1			N.Y.
Rosmarinus officinalis (rosemary)	Italy			1	Mass.
Phloeosinus shotoensis Muray. (Scolytidae):					
Wood (dunnage)	Japan		1		Fla.
Phlyctinus callosus Boh. (Curculionidae):					
Vitis sp. (grape)	Union of South Africa	1			N.Y.
Phytomyza gentianae (Hend.)(?) (Agromyzidae):					
Gentiana sp.	Switzerland	1			N.J.
Phytomyza rufipes Meig. (Agromyzidae):					
Brassica oleracea botrytis (cauliflower)	Belgium, England, France, Germany, Great Britain, Ireland, Italy, Netherlands, Sweden.		24		Pa., Tex.
B. oleracea bullata (Savoy cabbage)	Ireland		1		Pa.
B. oleracea capitata (cabbage)	Denmark, England, Germany, Ireland, Italy, Netherlands.		15		Pa., Tex.
Cichorium endivia (endive)	Belgium	5			N.Y.
C. intybus (chicory)	do	1			N.Y.
Piesma capitatum (Wolff) (Piesmatidae):					
Herbs	Italy	1			Mass.
Pinnaspis buxi (Bouché) (Coccidae):					
Anthurium sp.	Costa Rica			1	Fla.
Cordyline terminalis (ti)	Hawaii	1			Hawaii.
Dictyosperma album furfuraceum (princess-palm).	Brazil			1	D.C.
Dracaena sp.	Trinidad		1		Fla.
Heliconia sp.	Cuba			1	Fla.
Neomoorea sp.	Canal Zone			1	Fla.
Philodendron sp.	Hawaii	1	1	1	Calif.,* Hawaii.
Spathiphyllum sp.	Philippines			1	Hawaii.
Pinnaspis orchidarum (Ferris) (Coccidae):					
Vanda dearei (orchid)	Singapore			1	Hawaii.
Pinnaspis uniloba (Kuw.) (Coccidae):					
Alyxia olivaeformis (maile alyxia)	Hawaii	1			Hawaii.
Pityogenes chalcographus (L.) (Scolytidae):					
Picea sp. (spruce)	Belgium	1			Fla.
Pinus sp. (pine)	Norway, Sweden	2			N.Y.
Wood (crate)	Belgium, Sweden	4			Fla.
Pityogenes quadridens (Hartig) (Scolytidae):					
Wood (crate)	Sweden	1			Fla.
Pityokteines spinidens (Reitt.):					
Wood (crate)	Germany	1			Mass.
Pityophthorus micrographus (L.) (Scolytidae):					
Pinus sp. (pine)	Sweden	2			N.Y.
Plagiodera scabricula (Stal) (Chrysomelidae):					
Orchid	Mexico			2	Tex.
Plagionotus arcuatus (L.) (Cerambycidae):					
Wood	Unknown		1		Fla.
Platynota rostrana (Wlk.) (Tortricidae):					
Ananas comosus (pineapple)	Cuba	2			N.Y.
Capsicum frutescens (pepper)	Cuba, Mexico	2			N.Y., Tex.
C. frutescens grossum (bell pepper)	Cuba	1			Fla.
Citrus reticulata (Mandarin orange)	Jamaica	1			N.Y.
Flowers	Mexico	1			Tex.
Musa paradisiaca (plantain)	Honduras	3			Fla.
Orchid	Costa Rica			1	Fla.
Punica granatum (pomegranate)	Mexico	1			Tex.
Platypus rugulosus Chap. (Platypodidae):					
Airplane	Panama		1		Fla.
Log	Colombia	1			Ga.
Prioria copaifera (cativo)	do	2			Ga.
Solanum tuberosum (potato)	Mexico	1			Tex.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Platysectra anaïs (Costa) (Pterygophoridae):					
Eucalyptus sp.	Australia	1			Hawaii.
Plesiommata mollicella (Fowler) (Cicadellidae):					
Airplane	Nicaragua		1		Fla.
Plusia chalcites (Esp.) (Noctuidae):					
Baggage	Hawaii	1			Hawaii.
Cordyline terminalis (ti)	do	2		1	Calif.,* Hawaii.
Vanda sp. (orchid)	do	1			Hawaii.
Polygraphus rufipennis (Kby.) (Scolytidae):					
Bark	Canada	1			N.J.
Pollinia pollini (Costa) (Coccidae):					
Olea sp.	Greece			1	D.C.
Porotermes quadricollis (Rambur) (Hodotermitidae):					
Prunus persica nectarina (nectarine)	Chile	1			N.Y.
Porphyrobaphe isotoma (Sowerby) (Bulimulidae):					
Musa paradisiaca sapientum (banana)	Ecuador	12			Fla., La., Md., N.Y., Pa.
Prays oleellus (F.) (Hyponomeutidae):					
Olea europaea (olive)	Greece, Lebanon, Turkey.	3			Mass.
Proelymiotis johanna Schs. (Notodontidae):					
Airplane	Venezuela		1		Fla.
Prosoplus bankii (F.) (Cerambycidae):					
Baggage	Hawaii	1			Hawaii.
Protopulvinaria longivalvata Green (Coccidae):					
Codiaeum variegatum (variegated codiaeum)	Trinidad			1	D.C.
Eryngium sp.	Puerto Rico	1			P.R.
Protopulvinaria pyriformis (Ckll.) (Coccidae):					
Flowers	Bermuda	1			Mass.
Gardenia augusta	Cuba	1			Fla.
Murraya sp.(?)	Antigua	1			P.R.
Plant—unidentified	Brazil			1	D.C.
Pseudanaphothrips achaetus (Bagn.)(?) (Thripidae):					
Dianthus caryophyllus (carnation)	Australia	1			Hawaii.
Pseudaonidia clavigera (Ckll.) (Coccidae):					
Gardenia augusta	Hawaii			1	Calif.*
Pseudaonidia trilobitiformis (Green) (Coccidae):					
Citrus aurantifolia (sour lime)	Brazil		1		Fla.
C. limon (lemon)	do		2		Calif.,* Mass.
C. reticulata var. (King orange)	Philippines	2			Hawaii.
Codiaeum variegatum (variegated codiaeum)	Trinidad			1	D.C.
Coffea sp.	Brazil			2	N.Y.
Mucuna nova-guineensis	Trinidad			1	D.C.
Pseudischnaspis alienus (Newst.) (Coccidae):					
Brassavola digbyana (orchid)	British Honduras			1	Fla.
Cattleya sp. (orchid)	El Salvador			1	Fla.
Epidendrum sp. (orchid)	Mexico			1	Tex.
Laelia anceps (orchid)	Nicaragua			1	Tex.
Oncidium sphacelatum (orchid)	Mexico			1	Tex.
Oncidium sp.	Costa Rica			1	Fla.
Orchid	British Honduras, Canal Zone, Costa Rica, El Salvador, Guatemala, Panama.			9	Fla.
Pseudischnaspis linearis Hempel (Coccidae):					
Holocalyx glaziovii	Brazil			1	D.C.
Pseudischnaspis longissima (Ckll.) (Coccidae):					
Mangifera indica (mango)	Nicaragua	2			Calif.*
Pseudochelidura sinuata (Germ.) (Forficulidae):					
Cynara scolymus (artichoke)	Italy			1	N.Y.
Pseudococcus boninsis (Kuw.) (Coccidae):					
Cuttings	Dominican Republic			1	N.Y.
Pseudococcus citricus (Ezzat & McConnell) (Coccidae):					
Dioscorea sp. (yam)	Barbados	1			Mass.
Myrtus communis (true myrtle)	Italy			1	N.J.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Pseudococcus cualatensis Ckll. (Coccidae):					
Nolina sp.	Mexico	----	----	1	Tex.
Pseudococcus gahani Green (Coccidae):					
Flowers—assorted	Union of South Africa	1	----	----	N.Y.
Prunus domestica (plum)	Chile	1	----	----	N.Y.
P. persica (peach)	Union of South Africa	1	----	----	N.Y.
Pseudococcus lilacinus Ckll. (Coccidae):					
Annona reticulata (custard-apple)	Philippines	1	----	----	Hawaii.
Lansium domesticum	do	1	----	----	Hawaii.
Pseudococcus njalensis Laing (Coccidae):					
Theobroma cacao (cacao)	Liberia	1	----	----	N.Y.
Pseudococcus palmarum (Ehrh.) (Coccidae):					
Cocos nucifera (coconut)	Hawaii	5	----	----	Hawaii.
Strelitzia nicolai	do	1	----	----	Hawaii.
Pseudoparlatoria ostreata Ckll. (Coccidae):					
Oncidium sp. (orchid)	Jamaica	----	----	1	Fla.
Orchid	Cuba, Guatemala, Mexico.	----	----	3	Fla.
Psylla minuticona Crawf.(?) (Psyllidae):					
Lycopersicon esculentum (tomato)	Mexico	1	----	----	Ariz.
Psylla rhododendri Puton (Psyllidae):					
Rhododendron ferrugineum (rock rhododendron).	Switzerland	1	----	----	N.J.
Rhododendron sp.	do	1	----	----	Ill.
Psylliodes punctifrons Baly (Chrysomelidae):					
Brassica chinensis (Chinese cabbage)	Japan	----	1	----	N.C.
Pulvinaria floccifera (Westw.) (Coccidae):					
Camellia sp.	England	1	----	----	N.Y.
Pulvinaria psidii Mask. (Coccidae):					
Alpinia purpurata	Hawaii	2	----	----	Hawaii.
Boerlagiodendron sp.	Philippines	----	----	1	Hawaii.*
Ficus pandurata (fiddleleaf fig)	Mexico	----	----	1	Tex.
Gardenia augusta	Hawaii	5	----	----	Hawaii.
Ixora sp.	South Pacific	----	1	----	Hawaii.
Litchi chinensis (lychee)	Hawaii	2	----	----	Hawaii.
Melastoma sp.	Federation of Malaya	1	----	----	Hawaii.
Murraya sp.(?)	Antigua	1	----	----	P.R.
Zanthoxylum sp.	Nepal	2	----	----	D.C.
Zingiberaceae	Hawaii	2	----	----	Hawaii.
Pulvinaria urbicola Ckll. (Coccidae):					
Capsicum frutescens (pepper)	Puerto Rico	1	----	----	P.R.
Puto mexicanus (Ckll.) (Coccidae):					
Corm—unidentified	Mexico	1	----	----	Tex.
Mammillaria sp. (cactus)	do	----	----	1	Tex.
Puto ulter Ferris (Coccidae):					
Epidendrum stamfordianum (orchid)	Guatemala	----	----	1	Tex.
Orchid	do	----	----	1	Fla.
Pycnarthrum pallidum (Chap.) (Scolytidae):					
Airplane	Cuba	----	1	----	Fla.
Pycnoderes monticulifer Reuter (Miridae):					
Airplane	Dominican Republic	----	1	----	P.R.
Pyrausta nubilalis (Hbn.) (Pyraustidae):					
Capsicum frutescens (pepper)	Italy, Poland	2	----	----	N.Y.
Phaseolus vulgaris var. (string bean)	Japan	----	1	----	Wash.
Solanum sp.	Union of South Africa	1	----	----	N.J.
Sorghum vulgare technicum (broomcorn)	Italy	1	1	----	La., N.Y.
Zea mays (corn)	Azores, Italy	2	----	----	N.Y.
Pyrgocorypha sallei Sauss. (Tettigoniidae):					
Bromeliad	Mexico	----	----	1	Tex.
Restidia ruha Dyar(?) (Chrysaugidae):					
Leaves	Guatemala	1	----	----	Ala.
Reticulitermes flavipes (Koll.) (Rhinotermitidae):					
Gossypium sp. (cotton)	Mexico	1	----	----	Tex.
Reticulitermes lucifugus (Rossi) (Rhinotermitidae):					
Soil with *Tulipa* sp.	Italy	----	----	1	N.Y.
Reticulitermes tibialis Banks (Rhinotermitidae):					
Crate	Mexico	1	----	----	Calif.
Rhabdoscelus obscurus (Boisd.) (Curculionidae):					
Saccharum officinarum (sugarcane)	Hawaii	1	----	----	Calif.*

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Rhagoletis cerasi (L.) (Tephritidae):					
Prunus sp. (cherry)	France, Germany, Hungary, Italy, Poland, Portugal, Rumania, Spain, Yugoslavia.	19	12	----	Calif.,* Mass., Mich., N.Y., Tex., Va.
Rhagoletis cerasi (L.)(?) (Tephritidae):					
Prunus sp. (cherry)	Germany	1	----	----	N.J.
Rhapogaster nebulosa (Poda) (Pentatomidae):					
Lactuca sativa (lettuce)	France	----	1	----	P.R.
Rhyparochromus alboacuminatus (Goeze) (Lygaeidae):					
Dianthus caryophyllus (carnation)	do	1	----	----	N.Y.
Ribua innoxia Hein. (Phycitidae):					
Ananas comosus (pineapple)	Cuba, Dominican Republic.	27	----	----	Fla., N.Y.
Bromelia pinguin	Cuba	1	----	----	N.Y.
Saccharosydne saccharivora (Westw.) (Delphacidae):					
Airplane	British West Indies	----	1	----	P.R.
Samoedes cancellalis (Zell.) (Pyraustidae):					
Airplane	Japan	----	1	----	Hawaii.
Sardia pluto (Kirk.) (Delphacidae):					
Airplane	Fiji Islands	----	1	----	Hawaii.
Scaphidium atrum Matth. (Scaphidiidae):					
Orchid	Mexico	----	----	3	Tex.
Scaptocoris minor Berg (Pentatomidae):					
Airplane	Venezuela	----	1	----	Fla.
Schoenobius incertulas (Wlk.) (Schoenobiidae):					
Airplane	Japan	----	2	----	Hawaii.
Scicoris cursitans (F.)(?) (Pentatomidae):					
Camellia sp.	England	1	----	----	N.Y.
Scobicia chevrieri (Villa) (Bostrichidae):					
Cork stave	Morocco	1	----	----	Pa.
Scolytus multistriatus (Marsh.) (Scolytidae):					
Pyrus communis (pear)	Mexico	1	----	----	Calif.
Ulmus sp. (elm)	Canada	1	----	----	N.Y.
Selenothrips rubrocinctus (Giard) (Thripidae):					
Amaryllis sp.	Argentina	----	----	1	D.C.
Anthurium sp.	Cuba	1	----	----	Fla.
Codiaeum variegatum (variegated codiaeum)	Hawaii	----	----	1	Hawaii.
Sesamia cretica Led. (Noctuidae):					
Sorghum vulgare technicum (broomcorn)	Greece, Italy	3	----	----	N.Y.
Sesamia nonagrioides (Lef.)(?) (Noctuidae):					
Zea mays (corn)	Azores	1	----	----	N.Y.
Simodactylus cinnamomeus (Boisd.) (Elateridae):					
Plant material (dried arrangements)	Hawaii	1	----	----	Hawaii.
Sinoxylon anale Lesne (Bostrichidae):					
Wood (on camel saddle)	Egypt	1	----	----	La.
Sinoxylon conigerum Gerst. (Bostrichidae):					
Airplane	Japan	----	1	----	Hawaii.
Siphanta acuta (Wlk.) (Flatidae):					
Hibiscus sp.	Hawaii	----	----	1	Hawaii.
Vanda sp. (orchid)	do	1	----	----	Hawaii.
Sipylus dilatatus Wlk. (Membracidae):					
Malastoma sp.	Federation of Malaya	1	----	----	Hawaii.
Sitona hispidula (F.) (Curculionidae):					
Triticum aestivum (wheat)	Italy	----	----	1	N.Y.
Sitona lineata (L.) (Curculionidae):					
Lilium sp. (lily)	Bermuda	1	----	----	N.Y.
Tagetes florida (marigold)	do	1	----	----	Mass.
Solaropsis monile (Broderip) (Camaenidae):					
Musa paradisiaca sapientum (banana)	Ecuador	3	----	----	La., Md.
Spodoptera exempta (Wlk.) (Noctuidae):					
Airplane	Japan	----	1	----	Hawaii.
Spodoptera mauritia (Bdv.) (Noctuidae):					
Airplane	Japan(?)	----	2	----	Hawaii.
Alpinia purpurata	Hawaii	1	----	----	Hawaii.
Anthurium sp.	do	----	----	1	Hawaii.
Codiaeum variegatum (variegated codiaeum)	do	----	----	1	Hawaii.
Cordyline sp.	do	----	----	1	Hawaii.
Flowers	do	1	----	----	Hawaii.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Steneotarsonemus laticeps (Halb.) (Tarsonemidae):					
Narcissus 'Mahmoud'	Northern Ireland	----	----	1	N.J.
Narcissus sp.	England, Ireland, Northern Ireland, Scotland.	----	----	183	N.J.
Stenodema holsatum (F.) (Miridae):					
Malus sp.	Turkey	----	----	1	D.C.
Stenodema laevigatum (L.)(?) (Miridae):					
Festuca elatior (meadow fescue)	Yugoslavia	----	----	1	D.C.
Stenoma catenifer Wlsm. (Stenomidae):					
Persea americana (avocado)	Ecuador, El Salvador, Honduras, Mexico, Panama, Peru.	24	2	1	Calif.,* Fla., La., Tex.
Stenopterus rufus (L.) (Cerambycidae):					
Rosa sp.	France	1	----	----	N.Y.
Stenoptilia stigmatodactyla Zell. (Pterophoridae):					
Gentiana sp.	Switzerland	1	----	----	N.J.
Stephanoderes hampei (Ferr.) (Scolytidae):					
Coffea sp.	Aruba, Belgian Congo, Brazil.	2	----	1	N.Y., P.R., S.C.
Stephanoderes perkinsi Hopk. (Scolytidae):					
Adenanthera pavonina (sandal beadtree)	Hawaii	1	----	----	Hawaii.
Sternochetus frigidus (F.) (Curculionidae):					
Mangifera indica (mango)	Borneo	----	1	----	Hawaii.
Sternochetus mangiferae (F.) (Curculionidae):					
Mangifera indica (mango)	Hawaii, India	58	5	----	Calif.,* Hawaii, Md., Pa., Wash.
Sternochetus olivieri (Fst.) (Curculionidae):					
Mangifera indica (mango)	Vietnam	1	----	----	Hawaii.
Sybra alternans (Wied.) (Cerambycidae):					
Airplane	Kwajalein	----	1	----	Hawaii.
Argyreia nervosa	Hawaii	1	----	----	Hawaii.
Baggage	Japan(?)	1	----	----	Hawaii.
Operculina tuberosa (wood-rose)	Hawaii	2	----	----	Hawaii.
Orchid	do	1	----	----	Hawaii.
Plant material (dried arrangements)	do	1	----	----	Hawaii.
Plumeria sp.	do	1	----	----	Hawaii.
Synyrias diffundens (Wlk.) (Noctuidae):					
Airplane	Venezuela	----	1	----	Fla.
Systole albipennis Walk. (Eurytomidae):					
Coriandrum sativum	Germany(?), Morocco	2	----	----	Calif.*
Systole geniculata Foerster (Eurytomidae):					
Foeniculum sp. (fennel)	Italy	1	----	----	N.Y.
Petroselinum crispum (parsley)	Hawaii, Hong Kong	----	----	2	Hawaii.
Tachardina lobata (Green) (tentative) (Coccidae):					
Michelia sp.(?)	Hong Kong	----	----	1	Hawaii.
Taeniothrips atratus (Hal.) (Thripidae):					
Calluna vulgaris (heather)	England, Scotland	6	----	----	Mass., N.Y., Pa., Wash.
Dianthus caryophyllus (carnation)	England, Germany, Ireland, Poland, unknown.	5	1	----	Mass., N.Y., Pa.
Dianthus spp.	Germany	1	----	----	N.Y.
Flowers—assorted	Czechoslovakia, England, Sweden.	4	1	----	Mass., N.J., N.Y.
Lathyrus sp.	England	1	----	----	Pa.
Pyrethrum sp. (painted daisy)	Finland	1	----	----	N.Y.
Rosa sp.	England	3	----	----	Fla., Mass., N.Y.
Taeniothrips dianthi Pr. (Thripidae):					
Dianthus caryophyllus (carnation)	Brazil, Germany	1	2	----	Fla., Mass.
Taeniothrips ericae (Hal.) (Thripidae):					
Calluna vulgaris (heather)	England, Scotland	6	----	1	Mass., N.J., N.Y., Pa.
Erica australis (southern heath)	Portugal	----	----	1	D.C.
Pyrethrum sp. (painted daisy)	Finland	1	----	----	N.Y.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Taeniothrips gracilis Mlt. (Thripidae):					
Dianthus caryophyllus (carnation)	Japan	1			Hawaii.
Lycoris squamigera (autumn lycoris)	do			3	Calif.,* N.Y.
Lycoris sp.	do			3	N.Y.
Taeniothrips hawaiiensis (Morg.) (Thripidae):					
Blandfordia sp. (Christmas bells)	Australia			1	Hawaii.
Dianthus caryophyllus (carnation)	Japan	1	1		Hawaii, Wash.
Gardenia augusta	Hawaii, Japan	25			Hawaii.
Paeonia sp. (peony)	Japan	1			Hawaii.
Plumeria sp.	Hawaii	1			Hawaii.
Rosa sp.	Australia, Japan	1	1		Hawaii, Wash.
Stephanotis sp.	Hawaii	1			Hawaii.
Taeniothrips picipes (Zett.) (Thripidae): Flowers—assorted	England		1		N.Y.
Taeniothrips vitticornis (Ky.) (Thripidae): *Canavalia microcarpa*	Hawaii	1			Hawaii.
"*Targionia*" *bromiliae* (Leon.) (Coccidae): *Ananas comosus* (pineapple)	Mexico	1			Tex.
"*Targionia*" *hartii* (Ckll.) (Coccidae): *Dioscorea* sp. (yam)	Barbados	2	1		Mass.
Zingiber officinale (ginger)	do	1			Fla.
Teleonemia scrupulosa Stal(?) (Tingidae): *Lantana camara* (common lantana)	Hawaii			1	Hawaii.
Tenthecoris bicolor Scott (Miridae): Orchid	Mexico			2	Tex.
Tenthecoris confusus Hsiao & Sailer (Miridae): Orchid	do			4	Tex.
Tenthecoris distinctus Hsiao & Salier (Miridae): *Lycaste* sp. (orchid)	Guatemala			1	Fla.
Tenthecoris orchidearum (Reuter) (Miridae): *Cattleya elongata* (orchid)	Brazil			1	Hawaii.
Cattleya sp.	do			2	Fla.
Orchid	Mexico			1	Tex.
Tenthecoris vestitus (Dist.) (Miridae): Orchid	do			2	Tex.
Tenuipalpus heveae Baker (Tenuipalpidae): *Hevea brasiliensis* (Para rubbertree)	Brazil			1	D.C.
Tenuipalpus pacificus Baker (Tenuipalpidae): *Cymbidium* sp. (orchid)	Australia			1	Hawaii.
Phalaenopsis sp. (orchid)	Barbados, Philippines, Singapore.			3	Fla., Hawaii.
Spathoglottis affinis (orchid)	Singapore			1	Hawaii.
Testacella maugei Fer. (Testacellidae): *Lilium* sp. (lily)	Portugal			1	Mass.
Tetranychus cinnabarinus (Bois.) (Tetranychidae):					
Citrus limon (lemon)	Italy	1	1		N.Y.
Dianthus caryophyllus (carnation)	Israel		1		N.Y.
Flowers—assorted	Haiti	1			N.Y.
Herbs	Colombia	1			Fla.
Mentha sp. (mint)	Cuba			1	Fla.
Moss with *Passiflora* sp. (passionflower)	England	1			Mass.
Rosa sp.	Haiti, Mexico		1	1	Fla., Tex.
Tetranychus viennensis Zacker (Tetranychidae):					
Malus sylvestris (apple)	Japan	1			Hawaii.
Pyrus pyrifolia (sand pear)	do	1			Hawaii.
Pyrus sp.	do		1		Hawaii.
Tetropriocera longicornis (01.) (Bostrichidae): Airplane	Brazil, British West Indies.		2		Fla., P.R.
Wood (crate)	Cuba, Panama	3			Fla.
Tettigonia oculata Sign. (Cicadellidae): *Lactuca sativa* (lettuce)	Surinam		1		Tex.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Theba pisana (Müller) (Helicidae):					
Baggage	Italy	1			N.Y.
Cargo—general	Morocco, unknown	4			N.Y., Va.
Military cargo	France, Italy, Libya, Morocco, North Africa (country(?)), Turkey.	80			La., N.J., N.Y., S.C., Tex., Va.
Phaseolus vulgaris var. (string bean)	Cuba		1		La.
Spinacia oleracea (spinach)	France		1		N.Y.
Wood (crate)	France, Morocco, North Africa (country(?)).	5			N.J., N.Y., Va.
Thiara balonnensis (Conrad) (Thiaridae):					
Marsilea quadrifolia(?) (aquatic plant)	Australia			1	Calif.*
Thrips angusticeps Uzel (Thripidae):					
Anemone sp.	Malta	2	1		N.Y.
Brassica sp. (mustard)	Italy	1			N.Y.
Chrysanthemum sp.	Greece	1			N.Y.
Dianthus spp.	Germany	1			N.Y.
Lactuca sativa (lettuce)	Morocco		1		Pa.
Ranunculus sp. (buttercup)	Israel	1			N.Y.
Rosa sp.	France	1			N.Y.
Thrips flavus Schrank (Thripidae):					
Calluna vulgaris (heather)	England	1			N.Y.
Chrysanthemum sp.	England, Japan	2			Hawaii, Mass.
Flowers—assorted	England, Sweden	2			Mass.
Pyrethrum sp. (painted daisy)	Finland	1			N.Y.
Rosa sp.	Germany	2			N.Y.
Thrips imaginis Bagn. (Thripidae):					
Centaurea cyanus (cornflower)	Australia	2			Hawaii.
Dianthus caryophyllus (carnation)	do		1		Hawaii.
Hesperis sp.	do	1			Hawaii.
Hydrangea sp.	do	1			Hawaii.
Iris sp.	do	1			Hawaii.
Rosa sp.	do	2	1		Hawaii.
Syringa sp. (lilac)	do	1			Hawaii.
Thrips major Uzel (Thripidae):					
Calluna vulgaris (heather)	England, Scotland	2			N.Y.
Dianthus caryophyllus (carnation)	Poland	1			N.Y.
Flowers—assorted	England, Ireland	3			Mass., N.Y.
Mimosa sp.	France	1			N.Y.
Rosa sp.	Belgium, England, France, Germany.	5		1	Mass., N.J., N.Y.
Salix discolor (pussywillow)	France	1			Ill.
Tischeria complanella Hbn. (Tischeriidae):					
Castanea sp. (chestnut)	Italy		1		Mass.
Tozotrypana curvicauda Gerst. (Tephritidae):					
Carica papaya (papaya)	Mexico	1			Tex.
Trialeurodes lauri (Sign.) (Aleyrodidae):					
Laurus nobilis (Grecian laurel)	Greece	1			Ill.
Trialeurodes vitrinellus Ckll. (Aleyrodidae):					
Citrus sinensis (orange)	Mexico	1			Tex.
Citrus sp.	do	3			Tex.
Trioza anceps Tuth. (Psyllidae):					
Persea americana (avocado)	do	1			Tex.
Trogoderma glabrum (Hbst.) (Dermestidae):					
Bran	do		1		Tex.
Cellulose	do	2			Tex.
Grain	do		5		Ariz., Tex.
Railway car (loaded with graphite)	do	1			Ariz.
Triticum aestivum (wheat)	do	3	1		Tex.
Trogoderma granarium Everts (Dermestidae):					
Arachis hypogaea (peanut)	Formosa, Nigeria(?), unknown.		4		Mich., N.Y., Ohio.
Bagging	England, Netherlands, Singapore.	6	2		S.C., Tex.
"Bean"	Formosa		1		N.Y.
Cicer arietinum (chickpea)	Greece		1		Tex.
Flour	England		1		Tex.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Trogoderma granarium Everts (Dermestidae)—Continued					
Lens culinaris (lentils)	Egypt		3		Tex.
Linum sp. (flax)	Afghanistan			1	D.C.
Oryza sativa (rice)	Australia, Formosa, India, Japan, Pakistan, unknown.	2	13		Ala., Hawaii, La., Md., N.Y., Tex., Wash.
With residue of titanium oxide	Unknown		1		Ohio.
Stores	Australia, Formosa, unknown.		7		Ala., La., Wash.
Triticum durum (durum wheat)	Iraq			1	D.C.
Trogoderma grassmani Beal (Dermestidae): *Carthamus tinctorius* (safflower)	Iran			1	D.C.
Trogoderma inclusum LeConte (Dermestidae): Railway car	Mexico		1		Tex.
Trogoderma parabile Beal (Dermestidae): *Papaver* sp. (poppy)	Afghanistan			1	D.C.
Triticum aestivum (wheat)	Mexico	2			Tex.
Trogoderma sternale plagifer Csy. (Dermestidae): *Triticum aestivum* (wheat)	do		1		Ariz.
Trogoxylon prostomoides (Gorh.) (Lyctidae): Bamboo	do	1			Tex.
Tyrophagus infestans (Berl.) (Acaridae): *Araucaria* sp.	Italy			1	N.Y.
Citrus sinensis (orange)	Argentina		1		Fla.
Convolvulus sp. (glorybind)	Germany			1	N.Y.
Herb	Italy	1			Mass.
Soil with *Calluna vulgaris* (heather)	England			1	Mass.
Soil with *Solanum tuberosum* (potato)	Belgium		1		Ga.
Ulopa reticulata (F.) (Cicadellidae): *Calluna vulgaris* (heather)	Sweden			1	N.Y.
Unaspis citri (Comst.) (Coccidae): *Citrus aurantifolia* (sour lime)	Panama		1		Calif.*
C. reticulata (Mandarin orange)	Japan		1		Calif.*
C. sinensis (orange)	Argentina, Brazil, Japan, New Caledonia, Panama.		5		Calif.,* Hawaii, N.Y.
Unaspis yanonensis (Kuw.) (Coccidae): *Citrus aurantifolia* (lime)	Japan	2			Hawaii.
C. aurantifolia (sour lime)	do		3		Calif.,* Hawaii.
C. aurantium (sour orange)	do	1	21		Calif.*
C. aurantium var.	do		3		Calif.*
C. grandis (pummelo)	do	2	1		Calif.,* Hawaii.
C. ichangensis var.	do		1		Calif.*
C. ichangensis X *C. reticulata* (ichandarin)	do		1		Calif.*
C. limon (lemon)	do	2	8		Calif.,* Hawaii.
C. paradisi (grapefruit)	do		5		Calif.*
C. reticulata (Mandarin orange)	China, Formosa, Japan, Okinawa, Philippines.	27	104		Calif.,* Hawaii, Pa.
C. reticulata var. (King orange)	Hong Kong, Japan	11	16		Hawaii.
C. sinensis (orange)	Japan, Philippines	8	88		Calif.,* Hawaii, Pa.
Citrus sp.	Japan		6		Calif.,* Hawaii, Pa.
Valtissius diversus Dist. (Lygaeidae): Bromeliad	Panama			1	Fla.
Verina supplicella (Dyar) (Phycitidae): Leaves (packing with fruit)	Guatemala	1			Ala.
Veronicella sloani schivelyae Pilsbry (Veronicellidae): Orchid	Jamaica			1	Fla.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

[An asterisk indicates State inspection]

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Vinsonia stellifera (Westw.) (Coccidae):					
Anthurium sp.	Jamaica, Trinidad	2			Fla.
Brassia gireoudiana (orchid)	Canal Zone			1	Fla.
Brassia sp.	do			2	Fla.
Broughtonia sp. (orchid)	Jamaica			9	Fla.
Catasetum pileatum(?) (orchid)	Venezuela			1	N.J.
Cattleya sp. (orchid)	Antigua, Canal Zone			2	Fla.
Coffea sp.	Panama			1	P.R.
Epidendrum ciliare (orchid)	Trinidad			1	Fla.
Epidendrum spp.	Antigua, Canal Zone, Panama.			4	Fla., P.R.
Heliconia sp.	Haiti	2			Fla.
Laurus nobilis (Grecian laurel)	Bahamas, Barbados	2			Fla., Mass.
Oncidium sp. (orchid)	British Honduras, Dominican Republic, Surinam.			3	Fla.
Orchid	Bahamas, British Guiana, British Honduras, Canal Zone, Costa Rica, Dominican Republic, Jamaica, Kenya, Panama, Puerto Rico, Venezuela.			17	Fla., P.R.
Phalaenopsis sp. (orchid)	Jamaica, Trinidad			2	Fla.
Xeroleuca mograbina (Morelet) (Helicellidae):					
Military cargo	Morocco	1			La.
Xestolabus corvinus (Gyll.) (Curculionidae):					
Bromeliad	Canal Zone			1	Calif.*
Xiphidiopsis lita Heb. (Tettigoniidae):					
Anthurium sp.	Hawaii	2			Hawaii.
Codiaeum sp.	do	1			Hawaii.
Cordyline terminalis (ti)	do	1			Hawaii.
Lycopodium sp. (clubmoss)	do	1			Hawaii.
Orchid	do	1			Hawaii.
Vanda joaquimiae (orchid)	do	1			Hawaii.
Xyloperthella crinitarsis (Imh.) (Bostrichidae):					
Khaya sp. (mahogany)	Liberia	1			Md.
Zeadiatraea lineolata (Wlk.) (Crambidae):					
Saccharum officinarum (sugarcane)	Bahamas		1		Fla.
Zonitoides arboreus (Say) (Zonitidae):					
Orchid	Costa Rica, Honduras, Mexico.			6	Calif.,* Tex.
Plants—unidentified	Japan		1		N.C.
Soil with fern roots	Portugal			1	Fla.
Yucca sp.	Mexico			1	Calif.

Hosts and Insects

ACER:
Aceria macrochelus (Acarina)
A. macrorhynus (Acarina)
ACHRAS:
Anastrepha serpentina (Diptera)
Chrysomphalus personatus (Homoptera)
ADENANTHERA:
Stephanoderes perkinsi (Coleoptera)
AGAPANTHUS:
Iridomyrmex pilifer (Hymenopteraa)
AGAVE:
Batrachedra linaria (Lepidoptera)
Chrysomphalus agavis (Homoptera)
Gymnococcus agavium (Homoptera)
ALLIUM CEPA:
Aceria tulipae (Acarina)
Lygaeus albo-ornatus (Hemiptera)
Myzus ascalonicus (Homoptera)
ALLIUM PORRUM:
Acrolepia assectella (Lepidoptera)
Helix aperea (Mollusca)
ALLIUM SATIVUM:
Brachycerus albidentat· s (Coleoptera)
B. algirus (Coleoptera)
Monomorium destructor (Hymenoptera)
ALLIUM SP.:
Bradybaena similaris (Mollusca)
ALLOTEROPSIS:
Chirothrips pretorianus (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
ALPINIA:
Pentalonia nigronervosa (Homoptera)
Pheidole megacephala (Hymenoptera)
Pulvinaria psidii (Homoptera)
Spodoptera mauritia (Lepidoptera)
ALYXIA:
Ceroplastes rubens (Homoptera)
Coccus viridis (Homoptera)
Pinnaspis uniloba (Homoptera)
AMARYLLIS:
Selenothrips rubrocinctus (Thysanoptera)
ANANAS:
Pheidole megacephala (Hymenoptera)
Platynota rostrana (Lepidoptera)
Ribua innoxia (Lepidoptera)
"Targionia" bromiliae (Homoptera)
ANEMONE:
Thrips angusticeps (Thysanoptera)
ANNONA:
Bephrata maculicollis (Hymenoptera)
Cerconota anonella (Lepidoptera)
Ctenoglyphus canestrinii (Acarina)
Pseudococcus lilacinus (Homoptera)
ANSELLIA:
Monomorium destructor (Hymenoptera)
Myzus anselliae (Homoptera)
ANTHISTIRIA:
Agrostothrips guillarmodi (Thysanoptera)
ANTHURIUM:
Bradybaena similaris (Mollusca)
Ceroplastes rubens (Homoptera)
Chrysomphalus reniformis (tentative) (Hompotera)
Conoderus exsul (Coleoptera)
Geotomus pygmaeus (Hemiptera)
Iridomyrmex pilifer (Hymenoptera)
Myrmecophila americana (Orthoptera)
Pinnaspis buxi (Homoptera)
Selenothrips rubrocinctus (Thysanoptera)
Spodoptera mauritia (Lepidoptera)
Vinsonia stellifera (Homoptera)
Xiphidiopsis lita (Orthoptera)
ANTHIRRHINUM:
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
APIUM:
Arion hortensis (Mollusca)
Euleia heraclei (Diptera)
APONOGETON:
Monomorium destructor (Hymenoptera)
ARACEAE:
Hercinothrips bicinctus (Thysanoptera)
ARACHIS:
Caryedon fuscus (Coleoptera)
Trogoderma granarium (Coleoptera)
ARAUCARIA:
Laspeyresia araucaria(?) (Lepidoptera)
Tyrophagus infestans (Acarina)
ARBUTUS:
Acanthosoma haemorrhoidale (Hemiptera)
ARECA:
Chrysomphalus propsimus (Homoptera)
ARGYREIA:
Sybra alternans (Coleoptera)
ARMORACIA:
Baris lepidii (Coleoptera)
ARTOCARPUS:
Aspidiotus destructor (Homoptera)
ASTER:
Haplothrips clarisetis(?) Thysanoptera)
AVERRHOA:
Monomorium destructor (Hymenoptera)
BAMBOO:
Antonina bambusae (Homoptera)
Asterolecanium bambusae (Homoptera)
Minthea rugicollis (Coleoptera)
Odonaspis greenii (Homoptera)
Trogoxylon prostomoides (Coleoptera)
BAMBUSA:
Odonaspis lobulatus (Homoptera)
BAUHINIA:
Gibbrobruchus speculifer (Coleoptera)
BEGONIA:
Limothrips denticornis (Thysanoptera)
BETA:
Gnorimoschema ocellatella (Lepidoptera)
BETULA:
Chionaspis salicis (Homoptera)
BIXA:
Acanthoscelides bixae (Coleoptera)
BLANDFORDIA:
Taeniothrips hawaiiensis (Thysanoptera)
BLIGHIA:
Monomorium destructor (Hymenoptera)
BOERLAGIODENDRON:
Pulvinaria psidii (Homoptera)
BOUGAINVILLEA:
Haplothrips gowdeyi (Thysanoptera)
BRASSAVOLA:
Furcaspis biformis (Homoptera)
Pseudischnaspis alienus (Homoptera)
BRASSIA:
Asterolecanium epidendri (Homoptera)
Vinsonia stellifera (Homoptera)
BRASSICA CHINENSIS:
Cicadella viridis (Homoptera)
Lophothetes hirsutus (Coleoptera)
Psylliodes punctifrons (Coleoptera)
BRASSICA OLERACEA BOTRYTIS:
Deroceras reticulatum (Mollusca)
Phytomyza rufipes (Diptera)
BRASSICA OLERACEA BULLATA:
Deroceras reticulatum (Mollusca)
Phytomyza rufipes (Diptera)
BRASSICA OLERACEA CAPITATA:
Arion circumscriptus (Mollusca)
A. hortensis (Mollusca)
Deroceras reticulatum (Mollusca)
Euborellia stali (Dermaptera)
Evergestis forficalis (Lepidoptera)
Eysarcoris guttiger (Hemiptera)
Helicella maritima (Mollusca)
Limax maximus (Mollusca)
Mamestra brassicae (Lepidoptera)
Milax gagates (Mollusca)
Nysius raphanus (Hemiptera)
Phytomyza rufipes (Diptera)
BRASSICA RAPA:
Bradybaena similaris (Mollusca)
Hellula undalis (Lepidoptera)
BRASSICA SP.:
Thrips angusticeps (Thysanoptera)
BROMELIA:
Acalymma trivittata (Coleoptera)
Althos obscurus (Hemiptera)
Dysdercus mimulus (Hemiptera)
Ribua innoxia (Lepidoptera)

Hosts and Insects—Continued

BROMELIAD:
Althos obscurus (Hemiptera)
Capaneus tetricus (Hemiptera)
Cryphula apicatus (Hemiptera)
Deroceras reticulatum (Mollusca)
Furcaspis biformis (Homoptera)
Galgupha punctifer (Hemiptera)
Iridomyrmex iniquus (Hymenoptera)
Phelypera distigma (Coleoptera)
Pyrgocorypha sallei (Orthoptera)
Valtissius diversus (Hemiptera)
Xestolabus corvinus (Coleoptera)
BROUGHTONIA:
Asterolecanium epidendri (Homoptera)
Vinsonia stellifera (Homoptera)
BROWNEA:
Dercynus micronyx (Coleoptera)
BULBOPHYLLUM:
Asterolecanium epidendri (Homoptera)
BUXUS:
Aspidiotus britannicus (Homoptera)
Eriophyes canestrinii (Acarina)
CABOMBA:
Pheidole megacephala (Hymenoptera)
CACTUS:
Cecilioides acicula (Mollusca)
Dactylopius confusus (Homoptera)
Hesperolabops gelastops (Hemiptera)
Lepidosaphes philococcus (Homoptera)
CAESALPINIA:
Mimosestes dominicanus (Coleoptera)
CAJANUS:
Ancylostomia stercorea (Lepidoptera)
Doru albipes (Dermaptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
Neodryocoetes guianae (Coleoptera)
CALADIUM:
Helix aspersa (Mollusca)
CALLUNA:
Acalypta parvula (Hemiptera)
Kleidocerys ericae(?) (Hemiptera)
Limothrips denticornis (Thysanoptera)
Micrelus ericae (Coleoptera)
Myrmedobia distinguenda (Hemiptera)
Taeniothrips atratus (Thysanoptera)
T. ericae (Thysanoptera)
Thrips flavus (Thysanoptera)
T. major (Thysanoptera)
Ulopa reticulata (Homoptera)
CALOCARPUM:
Anastrepha ludens (Diptera)
CALOPHYLLUM:
Ceratitis capitata(?) (Diptera)
CAMELLIA:
Aspidiotus degeneratus (Homoptera)
Chrysomphalus setiger(?) (Homoptera)
Helix aspersa (Mollusca)
Pulvinaria floccifera (Homoptera)
Sciocoris cursitans(?) (Hemiptera)
CANAVALIA:
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
Taeniothrips vitticornis (Thysanoptera)
CANNABIS:
Helicella maritima (Mollusca)
CAPISCUM:
Deroceras reticulatum (Mollusca)
Gnorimoschema gudmannella (Lepidoptera)
Platynota rostrana (Lepidoptera)
Pulvinaria urbicola (Homptera)
Pyrausta nubilalis (Lepidoptera)
CARAPA:
Hypsipyla ferrealis (Lepidoptera)
CARICA:
Aconophora sinanjensis (Homoptera)
Brevipalpus phoenicis (Acarina)
Dacus dorsalis (Diptera)
Toxotrypana curvicauda (Diptera)
CARTHAMUS:
Orellia punctata (Diptera)
Trogoderma grassmani (Coleoptera)
CASSIA:
Aganactesis indecora (Lepidoptera)
Caryedon fuscus (Coleoptera)
Ectomyelois muricis (Lepidoptera)
CASTANEA:
Curculio elephas (Coleoptera)
C. nucum (Coleoptera)
Laspeyresia splendana (Lepidoptera)
Tischeria complanella (Lepidoptera)
CATASETUM (?):
Vinsonia stellifera (Homoptera)
CATTLEYA:
Asterolecanium epidendri (Homoptera)
Conchaspis orchidarum (Homoptera)
Eurytoma orchidearum (Hymenoptera)
Furcaspis biformis (Homoptera)
Pseudischnaspis alienus (Homoptera)
Tenthecoris orchidearum (Hemiptera)
Vinsonia stellifera (Homoptera)
CEDRUS:
Megastigmus suspectus pinsapinis (Hymenoptera)
CENTAUREA:
Haplothrips gowdeyi (Thysanoptera)
Thrips imaginis (Thysanoptera)
CEPHALOCEREUS:
Eremberga insignis (Lepidoptera)
CERATONIA:
Ectomyelois ceratoniae (Lepidoptera)
CHAENOMELES:
Lepidosaphes conchiformis (Homoptera)
CHAMAECYPARIS:
Diaspis minima (Homoptera)
Orsillus depressus (Hemiptera)
CHAMAEDOREA:
Chelysoma variabilis (Hemiptera)
Chrysomphalus sphaerioides (Homoptera)
Coelonertus nigrirostris (Coleoptera)
Ferrisia virgata (Homoptera)
Metamasius hemipterus sericeus (Coleoptera)
Parisoschenus expositus (Coleoptera)
P. flavolimbatus (Coleoptera)
CHAMAEROPS:
Dactylotrypes uyttenboogaarti (Coleoptera)
CHLOROPHYTUM:
Aspidiotus excisus (Homoptera)
A. palmae (Homoptera)
CHRYSANTHEMUM:
Acalymma trivittata (Coleoptera)
Bryobia ehari (Acarina)
Coccus viridis (Homoptera)
Conotelus mexicanus (Coleoptera)
Frankliniella formosae (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Lecanium corni (Homoptera)
Nysius raphanus (Hemiptera)
Thrips angusticaps (Thysanoptera)
T. flavus (Thysanoptera)
CHRYSOPOGON:
Agrostothrips guillarmodi (Thysanoptera)
CICER:
Trogoderma granarium (Coleoptera)
CICHORIUM:
Phytomyza rufipes (Diptera)
CISSUS:
Ferrisia virgata (Homoptera)
CITRUS AURANTIFOLIA:
Anastrepha ludens (Diptera)
Brevipalpus phoenicis (Acarina)
Chrysomphalus personatus (Homoptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS AURANTIUM:
Unaspis yanonensis (Homoptera)
CITRUS AURANTIUM VAR.:
Unaspis yanonensis (Homoptera)
CITRUS GRANDIS:
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
Leucaspis cockerelli (Homoptera)
Morganella longispina (Homoptera)
Parlatoria zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS GRANDIS VAR. SARAWAK:
Morganella longispina (Homoptera)

Hosts and Insects—Continued

CITRUS ICHANGENSIS VAR:
Unaspis yanonensis (Homoptera)
CITRUS ICHANGENSIS X C. RETICULATA:
Unaspis yanonensis (Homoptera)
CITRUS LIMON:
Aleurocanthus woglumi (Homoptera)
Brevipalpus phoenicis (Acarina)
Cryptoblabes gnidiella (Lepidoptera)
Helix aspersa (Mollusca)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Tetranychus cinnabarinus (Acarina)
Unaspis yanonensis (Homoptera)
CITRUS LIMON VAR. PONDEROSA:
Anastrepha ludens (Diptera)
CITRUS PARADISI:
Anastepha ludens (Diptera)
Ceratitis capitata (Diptera)
Chrysomphalus pinnulifer (Homoptera)
Cryptophlebia leucotreta (Lepidoptera)
Fiorinia theae (Homoptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS RETICULATA:
Aonidiella citrina (Homoptera)
Ceratitis capitata (Diptera)
Cryptophlebia leucotreta (Lepidoptera)
Fiorinia theae (Homoptera)
Morganella longispina (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Platynota rostrana (Lepidoptera)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS RETICULATA VAR:
Parlatoria zizyphus (Homoptera)
Pseudaonida trilobitiformis (Homoptera)
Unaspis yanonensis (Homoptera)
CITRUS SINENSIS:
Aleurocanthus woglumi (Homoptera)
Aleurothrixus floccosus (Homoptera)
Anastrepha ludens (Diptera)
Aonidiella citrina (Homoptera)
Brevipalpus phoenicis (Acarina)
Ceratitis capitata (Diptera)
Chrysomphalus personatus (Homoptera)
Coccus viridis (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Cryptophlebia leucotreta (Lepidoptera)
Dialeurodes kirkaldyi (Homoptera)
Ectomyelois ceratoniae (Lepidoptera)
Helix aspersa (Mollusca)
Iridomyrmex humilis (Hymenoptera)
Leucaspis cockerelli (Homoptera)
Parlatoria cinerea (Homoptera)
P. zizyphus (Homoptera)
Trialeurodes citrinellus (Homoptera)
Tyrophagus infestans (Acarina)
Unaspis citri (Homoptera)
U. yanonensis (Homoptera)
CITRUS SP.:
Aleurocanthus woglumi (Homoptera)
Aonidiella citrina (Homoptera)
Dialeurodes citrifolii (Homoptera)
Helix aspersa (Mollusca)
Morganella longispina (Homoptera)
Orchamoplatus citri (Homoptera)
Orthezia pseudinsignis (Homoptera)
Parlatoria zizyphus (Homoptera)
Trialeurodes vitrinellus (Homoptera)
Unaspis yanonensis (Homoptera)
CLEYERA(?):
Dialeurodes tristylii (Homoptera)
COCCOLOBA:
Perkinsiella saccharicida (Homoptera)
COCOS:
Agonozena pyrogramma (Lepidoptera)
Aonidiella inornata (Homoptera)
Aspidiotus destructor (Homoptera)
Diocalandra taitensis (Coleoptrea)
Furcaspis oceanica (Homoptera)
Lepidosaphes esakii (Homoptera)
Pheidole megacephala (Hymenoptera)
Pseudococcus palmarum (Homoptera)
CODIAEUM:
Bradybaena similaris (Mollusca)
Lepisodaphes tokionis (Homoptera)
Orchamoplatus mammaeferus (Homoptera)
Orocharis vaginalis (Orthoptera)
Parlatoria crotonis (Homoptera)
Protopulvinaria longivalvata (Homoptera)
Pseudaonidia trilobitiformis (Homoptera)
Selenothrips rubrocinctus (Thysanoptera)
Spodoptera mauritia (Lepidoptera)
Xiphidiopsis lita (Orthoptera)
COELOGYNE:
Asterolecanium epidendri (Homoptera)
COFFEA:
Aleuroparadoxus gardeniae (Homoptera)
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Dacus dorsalis (Diptera)
Leucoptera coffeella (Hymenoptera)
Pseudaonidia trilobitiformis (Homoptera)
Stephanoderes hampei (Coleoptera)
Vinsonia stellifera (Homoptera)
COLOCASIA:
Lamellaxis gracilis juncea (Mollusca):
CONVALLARIA:
Limothrips denticornis (Thysanoptera)
CONVOLVULUS:
Tyrophagus infestans (Acarina)
CORDYLINE:
Bradybaena similaris (Mollusca)
Deroceras reticulatum (Mollusca)
Pinnaspis buxi (Homoptera)
Plusia chalcites (Lepidoptera)
Spodoptera mauritia (Lepidoptera)
Xiphidiopsis lita (Orthoptera)
CORIANDRUM:
Systole albipennis (Hymenoptera)
CORYLUS:
Curculio nucum (Coleoptera)
CUCUMIS:
Dacus cucurbitae (Diptera)
Dysdercus mimulus (Hemiptera)
Ligyrocoris auriviliana (Hemiptera)
Nysius raphanus (Hemiptera)
CUCURBITA:
Conotelus mexicanus (Coleoptera)
CYCAD:
Chrysomphalus tricuspis (Homoptera)
CYCAS:
Aonidiella inornata (Homoptera)
CYCNOCHES:
Eucactophagus aurocinctus (Coleoptera)
CYDONIA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Ectomyelois ceratoniae (Lepidoptera)
CYMBIDIUM:
Lepidosaphes tuberculata (Homoptera)
Tenuipalpus pacificus (Acarina)
CYNARA:
Anuraphis cardui (Homoptera)
Apion carduorum (Coleoptera)
Eurydema ornatum (Hemiptera)
Philaenus leucophthalmus (Homoptera)
Pseudochelidura sinuata (Dermaptera)
DAHLIA:
Frankinella formosae (Thysanoptera)
Pentarthrum huttoni (Coleoptera)
DEGENERIA:
Dacus passiflorae (Diptera)
DELPHINIUM:
Iridomyrmex keiteli subfasciatus (Hymenoptera)
DENDROBIUM:
Diazenes dendrobii(?) (Coleoptera)
Furcaspis biformis (Homoptera)
Pheidole megacephala (Hymenoptera)
DIANTHUS:
Arion ater (Mollusca)
A. circumscriptus (Mollusca)
Frankliniella formosae (Thysanoptera)
F. intonsa (Thysanoptera)
F. schultzei (Thysanoptera)

Hosts and Insects—Continued

DIANTHUS—Continued
Haplothrips cottei (Thysanoptera)
H. gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Isoneurothrips australis (Thysanoptera)
Oxychilus cellarius (Mollusca)
Pseudanaphothrips achaetus (?) (Thysanoptera)
Rhyparochromus alboacuminatus (Hemiptera)
Taeniothrips atratus (Thysanoptera)
T. dianthi (Thysanoptera)
T. gracilis (Thysanoptera)
T. hawaiiensis (Thysanoptera)
Tetranychus cinnabarinus (Acarina)
Thrips angusticeps (Thysanoptera)
T. imaginis (Thysanoptera)
T. major (Thysanoptera)
DICTYOSPERMA:
Leucaspis cockerelli (Homoptera)
Pinnaspis buxi (Homoptera)
DIOON:
Chrysomphalus tricuspis (Homoptera)
Lizyrocoris aurivilliana (Hemiptera)
DIOSCOREA:
Metioche vittaticollis (Orthoptera)
Monomorium destructor (Hymenoptera)
Palaeopus costicollis (Coleoptera)
Pseudococcus citricus (Homoptera)
"Targionia" hartii (Homoptera)
DIOSPYROS:
Chrysomphalus sphaerioides (Homoptera)
Lepidosaphes conchiformis (tentative) (Homoptera)
Parlatoria oleae (Homoptera)
DRACAENA:
Pinnaspis buxi (Homoptera)
ECHEVERIA:
Niveaspis vulcanicus (tentative) (Homoptera)
ECHINOCHLOA:
Chirothrips pretorianus (Thysanoptera)
ENTEROLOBIUM:
Ectomyelois muricis (Lepidoptera)
EPIDENDRUM:
Asterolecanium epidendri (Homoptera)
Chrysomphalus nigropunctatus (Homoptera)
C. umboniferus (Homoptera)
Furcaspis biformis (Homoptera)
Geotomus spinolai (Hemiptera)
Iridomyrmex iniquus (Hymenoptera)
Pseudischnaspis alienus (Homoptera)
Puto ulter (Homoptera)
Vinsonia stellifera (Homoptera)
ERAGROSTIS:
Chirothrips egregius (Thysanoptera)
C. pretorianus (Thysanoptera)
ERICA:
Megalonotus chiragra (Hemiptera)
Taeniothrips ericae (Thysanoptera)
ERIOBOTRYA:
Ceratitis capitata (Diptera)
Ephestia calidella (Lepidoptera)
ERYNGIUM:
Protopulvinaria longivalvata (Homoptera)
EUCALYPTUS:
Platyscetra analis (Hymenoptera)
EUONYMUS:
Coccus africanus (Homoptera)
EUPHORBIA:
Coccus viridis (Homoptera)
Haplothrips gowdeyi (Thysanoptera)
EUPHORIA:
Fiorinia nephelii (Homoptera)
FAGUS:
Limothrips denticornis (Thysanoptera)
FESTUCA:
Stenodema laevigatum(?) (Hemiptera)
FICUS:
Ceratitis capitata (Diptera)
Ceroplastes rusci (Homoptera)
Ephestia calidella (Lepidoptera)
Homotoma ficus (Homoptera)
Lepidosaphes ficus (Homoptera)
Pulvinaria psidii (Homoptera)
FINGERHUTHIA:
Chirothrips pretorianus (Thysanoptera)
FOENICULUM:
Haplothrips gowdeyi (Thysanoptera)
Systole geniculata (Hymenoptera)
FRAGARIA:
Helicella maritima (Mollusca)
FREESIA:
Haplothrips gowdeyi (Thysanoptera)
GALANTHUS:
Helix figulina (Mollusca)
GARDENIA:
Ceroplastes rubens (Homoptera)
Coccus viridis (Homoptera)
Haplothrips gowdeyi (Thysanoptera)
Pealius hibisci (Homoptera)
Protopulvinaria pyriformis (Homoptera)
Pseudaonidia clavigera (Homoptera)
Pulvinaria psidii (Homoptera)
Taeniothrips hawaiiensis (Thysanoptera)
GENTIANA:
Phytomyza gentianae(?) (Diptera)
Stenoptilia stigmatodactyla (Lepidoptera)
GLADIOLUS:
Deroceras reticulatum (Mollusca)
Frankliniella formosae (Thysanoptera)
Haplothrips aculeatus (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
GLIRICIDIA:
Coccus viridis (Homoptera)
GOSSYPIUM:
Earias insulana(?) (Lepidoptera)
Nysius raphanus (Hemiptera)
Pectinophora gossypiella (Lepidoptera)
P. scutigera (Lepidoptera)
Reticulitermes flavipes (Isoptera)
HARPECHLOA:
Agrostothrips guillarmodi (Thysanoptera)
HEDERA:
Aspidiotus hedericola (Homoptera)
Filippia viburni (Homoptera)
HEDERA(?):
Aspidiotus palmae (Homoptera)
HELICONIA:
Bradybaena similaris (Mollusca)
Pheidole megacephala (Hymenoptera)
Pinnaspis buxi (Homoptera)
Vinsonia stellifera (Homoptera)
HESPERIS:
Thrips imaginis (Thysanoptera)
HEVEA:
Tenuipalpus heveae (Acarina)
HIBISCUS:
Ferrisia virgata (Homoptera)
Iridomyrmex humilis (Hymenoptera)
Metamasius hemipterus sericeus (Coleoptera)
Pectinophora gossypiella (Lepidoptera)
Pheidole megacephala (Hymenoptera)
Siphanta acuta (Homoptera)
HOLOCALYX:
Pseudischnaspis linearis (Homoptera)
HYDRANGEA:
Thrips imaginis (Thysanoptera)
HYMENAEA:
Ectomyelois muricis (Lepidoptera)
HYPARRHENIA:
Agrostothrips guillarmodi (Thysanoptera)
Chirothrips hoodi (Thysanoptera)
IPOMOEA:
Alcidodes dentipes (Coleoptera)
Cryphalomorphus jalappae (Coleoptera)
Cylas formicarius var. (Coleoptera)
C. formicarius elegantulus (Coleoptera)
C. formicarius formicarius (Coleoptera)
Deroceras reticulatum (Mollusca)
Euscepes postfasciatus (Coleoptera)
Palaeopus costicollis (Coleoptera)
IRIS:
Anuraphis tulipae (Homoptera)
Thrips imaginis (Thysanoptera)
IXORA:
Pulvinaria psidii (Homoptera)
JASMINUM:
Aleurotuberculatus jasmini (Homoptera)
Dialeurodes kirkaldyi (Homoptera)
Palpita unionalis (Lepidoptera)

Hosts and Insects—Continued

JUGLANS:
Arion ater (Mollusca)
A. hortensis (Mollusca)
Ectomyelois ceratoniae (Lepidoptera)
Euzophera bigella (?) (Lepidoptera)
JUNCUS:
Nipponaclerda biwakoensis (Homoptera)
JUNIPERUS:
Oligonychus perditus (Acarina)
Pentamerismus oregonensis (Acarina)
KHAYA:
Heterobostrychus aequalis (Coleoptera)
Xyloperthella crinitarsis (Coleoptera)
LACTUCA:
Andrector atrofasciata (Coleoptera)
Arion hortensis (Mollusca)
Derocera reticulatum (Mollusca)
Dicyphus annulatus (Hemiptera)
Hellicella caperata (Mollusca)
H. itala (Mollusca)
Iridomyrmex humilis (Hymenoptera)
Myzus ascalonicus (Homoptera)
Raphogaster nebulosa (Hemiptera)
Tettigonia oculata (Homoptera)
Thrips angusticeps (Thysanoptera)
LAELIA:
Pseudischnaspis alienus (Homoptera)
LAGERSTROEMIA:
Dialeurodes kirkaldyi (Homoptera)
LANSIUM:
Pseudococcus lilacinus (Homoptera)
LANTANA:
Teleonemia scrupulosa(?) (Hemiptera)
LATHYRUS:
Iridomyrmex humilis (Hymenoptera)
Taeniothrips atratus (Thysanoptera)
LAURUS:
Aspidiotus degeneratus (Homoptera)
Trialeurodes lauri (Homoptera)
Vinsonia stellifera (Homoptera)
LAVANDULA:
Frankliniella intonsa (Thysanoptera)
LEGUME:
Caryedon fuscus (Coleoptera)
Ectomyelois decolor (Lepidoptera)
LENS:
Trogoderma granarium (Coleoptera)
LEUCAENA:
Araecerus levipennis (Coleoptera)
Pheidole megacephala (Hymenoptera)
LIGUSTRUM:
Palomena angulosa (Hemiptera)
LILIACEAE:
Frankliniella formosae (Thysanoptera)
LILIUM:
Bradybaena similaris (Mollusca)
Iridomyrmex humilis (Hymenoptera)
Monomorium destructor (Hymenoptera)
Pheidole megacephala (Hymenoptera)
Sitona lineata (Coleoptera)
Testacella maugei (Mollusca)
LINUM:
Trogoderma granarium (Coleoptera)
LITCHI:
Brevipalpus phoenicis (Acarina)
Cryptophlebia illepida (Lepidoptera)
Pulvinaria psidii (Homoptera)
LYCASTE:
Tenthecoris distinctus (Hemiptera)
LYCOPERSICON:
Conotelus mexicanus (Coleoptera)
Dacus cucurbitae (Diptera)
Gnorimoschema plaesiosema (Lepidoptera)
Neoleucinodes elegantalis (Lepidoptera)
Psylla minuticona(?) (Homoptera)
LYCOPODIUM:
Xiphidiopsis lita (Orthoptera)
LYCORIS:
Bradybaena similaris(?) (Mollusca)
Iridomyrmex humilis (Hymenoptera)
Taeniothrips gracilis (Thysanoptera)
MALUS:
Adoxophyes orana (Lepidoptera)
Carposina niponensis (Lepidoptera)
Ceratitis capitata (Diptera)
Cryptoblabes gnidiella (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
Grapholitha janthiana (Lepidoptera)
Stenodema holsatum (Hemiptera)
Tetranychus viennensis (Acarina)
MAMMILLARIA:
Puto mexicanus (Homoptera)
MANGIFERA:
Anastepha ludens (Diptera)
A. mombinpraeoptans (Diptera)
Aulacaspis mangiferae (Homoptera)
Chrysomphalus personatus (Homoptera)
Dacus dorsalis (Diptera)
Pentalonia nigronervosa (Homoptera)
Pseudischnaspis longissma (Homoptera)
Sternochetus frigidus (Coleoptera)
S. mangiferae (Coleoptera)
S. olivieri (Coleoptera)
MARSILEA(?):
Melanoides tuberculata (Mollusca)
Thiara balonnensis (Mollusca)
MASDEVALLIA:
Aonidiella inornata (Homoptera)
Chrysomphalus umboniferus (Homoptera)
MATTHIOLA:
Nysius raphanus (Hemiptera)
MELASTOMA:
Dacus pedestris (Diptera)
Pulvinaria psidii (Homoptera)
Sipylus dilatatus (Homoptera)
MENTHA:
Chrysomphalus propsimus (Homoptera)
Haplothrips gowdeyi (Thysanoptera)
Hellicella itala (Mollusca)
Pentalonia nigronervosa (Homoptera)
Pheidole megacephala (Hymenoptera)
Tetranychus cinnabarinus (Acarina)
MICHELIA(?):
Tachardina lobata (tentative) (Homoptera)
MIMOSA:
Thrips major (Thysanoptera)
MUCUNA:
Pseudaonidia trilobitiformis (Homoptera)
MURRAYA(?):
Protopulvinaria pyriformis (Homoptera)
Pulvinaria psidii (Homoptera)
MUSA:
Bradybaena similaris (Mollusca)
Cosmopolites sordidus (Coleoptera)
Dacus dorsalis (Diptera)
Epilachna paenulata (Coleoptera)
Euglandina striata (Mollusca)
Heraeus eximus (Hemiptera)
Metamasius hemipterus hemipterus (Coleoptera)
M. hemipterus sericeus (Coleoptera)
Pentalonia nigronervosa (Homoptera)
Platynota rostrana (Lepidoptera)
Porphyrobaphe iostoma (Mollusca)
Solaropsis monile (Mollusca)
MYRISTICA:
Chrysomphalus personatus (Homoptera)
MYRTUS:
Pseudococcus citricus (Homoptera)
NARCISSUS:
Steneotarsonemus laticeps (Acarina)
NEOMOOREA:
Pinnaspis buxi (Homoptera)
NOLINA:
Opuntiaspis carinata (Homoptera)
Pseudococcus cualatensis (Homoptera)
NOTHOPANAX:
Coccus viridis (Homoptera)
Pheidole megacephala (Hymenoptera)
OLEA:
Dacus oleae (Diptera)
Filippia oleae(?) (Homoptera)
Leucaspis riccae (Homoptera)
Parlatoria oleae (Homoptera)
Pollinia pollini (Homoptera)
Prays oleellus (Lepidoptera)

Hosts and Insects—Continued

ONCIDIUM:
Asterolecanium epidendri (Homoptera)
Farinococcus guatemalensis (Homoptera)
Furcaspis biformis (Homoptera)
Mecolaemus carvalhoi (Hemiptera)
Pseudischnaspis alienus (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Vinsonia stellifera (Homoptera)
OPERCULINA:
Megacerus alternatus (Coleoptera)
Sybra alternans (Coleoptera)
OPUNTIA:
Ceratitis capitata (Diptera)
Hesperolabops gelastops (Hemiptera)
ORCHID:
Aleuroglandulus emmae (Homoptera)
Althos graptosternus (Hemiptera)
Anthonomus albolineatus (Coleoptera)
Aspidiotus destructor (Homoptera)
Asterolecanium epidendri (Homoptera)
Brachystethus rubromaculatus (Hemiptera)
Bradybaena similaris (Mollusca)
Capaneus tetricus (Hemiptera)
Chrysomphalus nigropunctatus (Homoptera)
C. tenax (Homoptera)
C. umboniferus (Homoptera)
Clerada apicicornis (Hemiptera)
Conchaspis orchidarum (Homoptera)
Corimelaena alticola (Hemiptera)
C. palmeri (Hemiptera)
Cryphula apicatus (Hemiptera)
Dendrocoris suffultus (Hemiptera)
Deroceras reticulatum (Mollusca)
Diorymerellus laevimargo (Coleoptera)
Epilachna nigrocincta (Coleoptera)
Eutetranychus banksi (Acarina)
Exptochiomera albomaculata (Hemiptera)
Ferrisia virgata (Homoptera)
Furcaspis biformis (Homoptera)
Galgupha punctifer (Hemiptera)
G. texana (Hemiptera)
Helix aspersa (Mollusca)
Iridomyrmex iniquus (Hymenoptera)
Isorhinus undatus (Coleoptera)
Lamellaxis gracilis (Mollusca)
Lepidosaphes tuberculata (Homoptera)
Leptopharsa tenuis (Hemiptera)
Ligyrocoris auriviliana (Hemiptera)
Limax marginatus (Mollusca)
L. maximus(?) (Mollusca)
Melanocoryphus circumlitus (Hemiptera)
Miccrotrogus picirostris (Coleoptera)
Miogryllus ensifer (Orthoptera)
Mormidea pictiventris Stal (Hemiptera)
M. pictiventris of authors (Hemiptera)
Myodocha giraffa (Hemiptera)
Nasutitermes costalis (Isoptera)
N. ephratae (Isoptera)
Nysius coenosulus (Hemiptera)
Oedancala bimaculata (Hemiptera)
Orthezia praelonga (Homoptera)
Pachybrachius nietneri (Hemiptera)
Pallantia maculata (Hemiptera)
Parlatoria pseudaspidiotus (Homoptera)
Pheidole megacephala (Hymenoptera)
Phelypera distigma (Coleoptera)
Plagiodera scabricula (Coleoptera)
Platynota rostrana (Lepidoptera)
Pseudischnaspis alienus (Homoptera)
Pseudoparlatoria ostreata (Homoptera)
Puto ulter (Homoptera)
Scaphidium atrum (Coleoptera)
Sybra alternans (Coleoptera)
Tenthecoris bicolor (Hemiptera)
T. confusus (Hemiptera)
T. orchidearum (Hemiptera)
T. vestitus (Hemiptera)
Veronicella sloani schivelyae (Mollusca)
Vinsonia stellifera (Homoptera)
Xiphidiopsis lita (Orthoptera)
Zonitoides arboreus (Mollusca)
ORNITHOGALUM:
Blissus diplopterus (Hemiptera)
Epichorista ionephela (Lepidoptera)
Frankliniella schultzei)Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
H. nigricornis(?) (Thysanoptera)
ORYZA:
Chilo supressalis (Lepidoptera)
Trogoderma granarium (Coleoptera)
PAEONIA:
Arion circumscriptus (Mollusca)
Frankliniella formosae (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Taeniothrips hawaiiensis (Thysanoptera)
PALM:
Aleuroplatus variegatus(?) (Homoptera)
Aonidiella inornata (Homoptera)
Aspidiotus destructor (Homoptera)
Coelonertus nigrirostris (Coleoptera)
Leucaspis cockerelli (Homoptera)
Nasutitermes corniger (Isoptera)
PANICUM:
Agrostothrips guillarmodi (Thysanoptera)
PAPAVER:
Iridomyrmex humilis (Hymenoptera)
Trogoderma parabile (Coleoptera)
PASSIFLORA:
Dacus dorsalis (Diptera)
PEDILANTHUS:
Bradybaena similaris (Mollusca)
PELARGONIUM:
Frankliniella intonsa (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
PERSEA:
Chrysomphalus albopictus (Homoptera)
Conotrachelus aguacatae (Coleoptera)
C. perseae (Coleoptera)
Dacus dorsalis (Diptera)
Stenoma catenifer (Lepidoptera)
Trioza anceps (Homoptera)
PETROSELINUM:
Deroceras reticulatum (Mollusca)
Euleia heraclei (Diptera)
Helix aspersa (Mollusca)
Systole geniculata (Hymenoptera)
PHAEOMERIA:
Bradybaena similaris (Mollusca)
PHALAENOPSIS:
Chrysomphalus tingi (Homoptera)
Parlatoria pseudaspidiotus (Homoptera)
Tenuipalpus pacificus (Acarina)
Vinsonia stellifera (Homoptera)
PHASEOLUS:
Ancylostomia stercorea (Lepidoptera)
Epinotia aporema (Lepidoptera)
Everes comyntas (Lepidoptera)
Fundella pellucens (Lepidoptera)
Maruca testulalis (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
Theba pisana (Mollusca)
PHILODENDRON:
Cactophagus validirostris (Coleoptera)
Chrysomphalus nigropunctatus (Homoptera)
C. personatus (Homoptera)
C. tenax (Homoptera)
Eucactophagus carinipyga (Coleoptera)
Helix aspersa (Mollusca)
Pinnaspis buxi (Homoptera)
PHOENIX:
Dacus dorsalis (Diptera)
PICEA:
Dryocoetes autographus (Coleoptera)
Ernobius abietis (Coleoptera)
Ips borealis (Coleoptera)
Pityogenes chalcographus (Coleoptera)
PIMPINELLA:
Helicella pyramidata (Mollusca)
PINUS:
Dichocrocis punctiferalis (Lepidoptera)
Ips acuminatus (Coleoptera)
I. calligraphus (Coleoptera)
I. typographus (Coleoptera)
Lepidosaphes pini (Homoptera)
Leucaspis loewi (Homoptera)
L. pusilla (Homoptera)
Pityogenes chalcographus (Coleoptera)
Pityophthorus micrographus (Coleoptera)

Hosts and Insects—Continued

PISUM:
Fundella pellucens (Lepidoptera)
Haplothrips clarisetis(?) (Thysanoptera)
Lampides boeticus (Lepidoptera)
PLUMERIA:
Coccus viridis (Homoptera)
Conotelus mexicanus (Coleoptera)
Diachus auratus (Coleoptera)
Dialeurodes kirkaldyi (Homoptera)
Sybra alternans (Coleoptera)
Taeniothrips hawaiiensis (Thysanoptera)
PORTULACA:
Nysius raphanus (Hemiptera)
PRIORIA:
Platypus rugulosus (Coleoptera)
PROTEA:
Homothrips distinctus (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Phenacoccus stelli (Homoptera)
PRUNUS AMYGDALUS:
Cenopalpus pulcher (Acarina)
Ectomyelois ceratoniae (Lepidoptera)
PRUNUS ARMENIACA:
Blissus diplopterus (Hemiptera)
Ceratitis capitata (Diptera)
PRUNUS AVIUM:
Chionaspis asiatica (Homoptera)
PRUNUS DOMESTICA:
Helicella maritima (Mollusca)
Iridomyrmex humilis (Hymenoptera)
Parlatoria oleae (Homoptera)
Pseudococcus gahani (Homoptera)
PRUNUS PERSICA:
Anastrepha ludens (Diptera)
Ceratitis capitata (Diptera)
Geniocremnus chilensis (Coleoptera)
Listroderes subcinctus (Coleoptera)
Pseudococcus gahani (Homoptera)
PRUNUS PERSICA NECTARINA:
Porotermes quadricollis (Isoptera)
PRUNUS SP. (cherry):
Anthonomus rectirostris (Coleoptera)
Rhagoletis cerasi (Diptera)
PSEUDOTSUGA:
Haplothrips aculeatus (Thysanoptera)
PSIDIUM:
Aleurocanthus spiniferus (Homoptera)
A. woglumi (Homoptera)
Anastrepha mombinpraeoptans (Diptera)
A. striata (Diptera)
A. suspensa (Diptera)
Ceratitis capitata (Diptera)
Coccus viridis (Homoptera)
Dacus dorsalis (Diptera)
PUNICA:
Anastrepha ludens (Diptera)
Ceroplastes japonicus (Homoptera)
Cryptoblabes gnidiella (Lepidoptera)
Ectomyelois ceratoniae (Lepidoptera)
Ferrisia virgata (Homoptera)
Platynota rostrana (Lepidoptera)
PYRETHRUM:
Frankliniella intonsa (Thysanoptera)
Taeniothrips atratus (Thysanoptera)
T. ericae (Thysanoptera)
Thrips flavus (Thysanoptera)
PYRUS:
Anastrepha ludens (Diptera)
Cenopalpus pulcher (Acarina)
Ceratitis capitata (Diptera)
Ectomyelois ceratoniae (Lepidoptera)
Lepidosaphes conchiformis (Homoptera)
Scolytus multistriatus (Coleoptera)
Tetranychus viennensis (Acarina)
QUERCUS:
Callirhytis glandium (Hymenoptera)
Curculio elephas (Coleoptera)
Laspeyresia splendana (Lepidoptera)
RANUNCULUS:
Aeolothrips tenuicornis (?) (Thysanoptera)
Thrips angusticeps (Thysanoptera)
RHAPIS(?):
Icerya seychellarum (Homoptera)
RHODODENDRON:
Acanthosoma haemorrhoidale (Hemiptera)
Dialeurodes chittendeni (Homoptera)
Gracilaria azaleella (Lepidoptera)
Haplothrips aculeatus (Thysanoptera)
H. gowdeyi (Thysanoptera)
Pealius azaleae (Homoptera)
Psylla rhododendri (Homoptera)
RODRIGUEZIA:
Furcaspis biformis (Homoptera)
RORIPPA:
Fossaria truncatula (Mollusca)
ROSA:
Aulacaspis latissima (Homoptera)
Conotelus mexicanus (Coleoptera)
Frankliniella formosae (Thysanoptera)
F. intonsa (Thysanoptera)
F. schultzei (Thysanoptera)
Haplothrips gowdeyi (Thysanoptera)
Helicella maritima (Mollusca)
Isoneurothrips obscuratus(?) (Thysanoptera)
Newsteadia floccosa (Homoptera)
Stenopterus rufus (Coleoptera)
Taeniothrips atratus (Thysanoptera)
T. hawaiiensis (Thysanoptera)
Tetranychus cinnabarinus (Acarina)
Thrips angusticeps (Thysanoptera)
T. flavus (Thysanoptera)
T. imaginis (Thysanoptera)
T. major (Thysanoptera)
ROSMARINUS:
Philaenus leucophthalmus (Homoptera)
ROYSTONEA:
Aspidiotus destructor (Homoptera)
RUBUS:
Asterobemisia carpini (Homoptera)
RUMEX:
Dicyphus pallidicornis (Hemiptera)
SACCHARUM:
Anacentrinus insularis (Coleoptera)
Chilo loftini (Lepidoptera)
Rhabdoscelus obscurus (Coleoptera)
Zeadiatraea lineolata (Lepidoptera)
SALIX:
Thrips major (Thysanoptera)
SAMANEA:
Monomorium destructor (Hymenoptera)
SCHINUS:
Megastigmus pistaciae (Hymenoptera)
SCHOMBURGKIA:
Furcaspis biformis (Homoptera)
SECHIUM:
Ferrisia virgata (Homoptera)
Pheidole megacephala (Hymenoptera)
SESBANIA:
Lampides boeticus (Lepidoptera)
Maruca testulalis (Lepidoptera)
SOIL:
Arion ater (Mollusca)
A. hortensis (Mollusca)
Cecilioides acicula (Mollusca)
C. aperta (Mollusca)
Cochlicella barbara (Mollusca)
C. ventrosa (Mollusca)
Cyclas formicarius elegantulus (Coleoptera)
Deroceras reticulatum (Mollusca)
Fossaria truncatula (Mollusca)
Helicella caperata (Mollusca)
H. maritima (Mollusca)
H. striata (Mollusca)
Hygromia cinctella (Mollusca)
Lamellaxis mauritianus (Mollusca)
Limax marginatus (Mollusca)
Myzus ascalonicus (Homoptera)
Oxychilus alliarius (Mollusca)
Reticulitermes lucifugus (Isoptera)
Tyrophagus infestans (Acarina)
Zonitoides arboreus (Mollusca)
SOLANUM MELONGENA:
Conotelus mexicanus (Coleoptera)
Neoleucinodes elegantalis (Lepidoptera)
SOLANUM MURICATUM:
Gnorimoschema plaesiosema (Lepidoptera)
Ortheria pseudinsignis (Homoptera)

Hosts and Insects—Continued

SOLANUM TUBEROSUM:
Platypus rugulosus (Coleoptera)
SOLANUM SP.:
Leucinodes orbonalis (Lepidoptera)
Pyrausta nubilalis (Lepidoptera)
SORBUS:
Lecanium corni (Homoptera)
Parlatoria oleae (Homoptera)
SORGHUM:
Pyrausta nubilalis (Lepidoptera)
Sesamia cretica (Lepidoptera)
SPATHIPHYLLUM:
Pinnaspis buxi (Homoptera)
SPATHOGLOTTIS:
Tenuipalpus pacificus (Acarina)
SPINACIA:
Theba pisana (Mollusca)
SPONDIAS:
Anastrepha mombinpraeoptans (Diptera)
Aspidiotus herculeanus (Homoptera)
Chrysomphalus calurus (Homoptera)
Fiorinia theae (Homoptera)
Parlatoria chinensis (Homoptera)
Phenacoccus hirsutus (Homoptera)
STENANDRIUM:
Brevipalpus phoenicis (Acarina)
STEPHANOTIS:
Taeniothrips hawaiiensis (Thysanoptera)
STRELITZIA:
Iridomyrmex humilis (Hymenoptera)
Pentalonia nigronervosa (Homoptera)
Pseudococcus palmarum (Homoptera)
SYRINGA:
Adoxophyes orana (Lepidoptera)
Thrips imaginis (Thysanoptera)
TAGETES:
Haplothrips gowdeyi (Thysanoptera)
Sitona lineata (Coleoptera)
TAMARINDUS:
Caryedon fuscus (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
E. decolor (Lepidoptera)
Monomorium destructor (Hymenoptera)
TERMINALIA:
Anastrepha mombinpraeoptans (Diptera)
Aspidiotus destructor (Homoptera)
Ceratitis capitata (Diptera)
Dacus dorsalis (Diptera)
TETRACHNE:
Chirothrips pretorianus (Thysanoptera)
THEOBROMA:
Aspidiotus diffinis (Homoptera)
Pseudococcus njalensis (Homoptera)
TILLANDSIA:
Furcaspis biformis (Homoptera)
TRIFOLIUM:
Arion circumscriptus (Mollusca)
Monanthia lupuli (Hemiptera)
TRITICUM:
Sitona hispidula (Coleoptera)
Trogoderma glabrum (Coleoptera)
T. granarium (Coleoptera)
T. parabile (Coleoptera)
T. sternale plagifer (Coleoptera)
TULIPA:
Anuraphis tulipae (Homoptera)
Arion circumscriptus (Mollusca)
Deroceras reticulatum (Mollusca)
TYPHA:
Deroceras reticulatum (Mollusca)
ULMUS:
Scolytus multistriatus (Coleoptera)
VANDA:
Asterolecanium epidendri (Homoptera)
Bradybaena similaris (Mollusca)
Conoderus exsul (Coleoptera)
Conotelus mexicanus (Coleoptera)
Coptotermes formosanus (Isoptera)
Deroceras reticulatum (Mollusca)
Furcaspis biformis (Homoptera)
Geotomus pygmaeus (Hemiptera)
Nysius coenosulus (Hemiptera)
Parlatoria pseudaspidiotus (Homoptera)
Pinnaspis orchidarum (Homoptera)
Plusia chalcites (Lepidoptera)
Siphanta acuta (Homoptera)
Xiphidopsis lita (Orthoptera)
VIGNA:
Fundella pellucens (Lepidoptera)
VIOLA:
Arion hortensis (Mollusca)
Cecilioides acicula (Mollusca)
VITIS:
Ceratitis capitata (Diptera)
Clysiana ambiguella (Lepidoptera)
Conoderus rufangulus (Coleoptera)
Cryptoblabes gnidiella (Lepidoptera)
Holocacista rivillei(?) (Lepidoptera)
Leptoglossus chilensis (Hemiptera)
Lobesia botrana (Lepidoptera)
Naupactus xanthographus (Coleoptera)
Phyllcinus callosus (Coleoptera)
VRIESIA:
Chrysomphalus personatus (Homoptera)
YUCCA:
Ochrimnus vittiscutis (Hemiptera)
Zonitoides arboreus (Mollusca)
ZANTHOXYLUM:
Pulvinaria psidii (Homoptera)
ZEA:
Chilo loftini (Lepidoptera)
Edessa meditabunda (Hemiptera)
Frankliniella williamsi(?) (Thysanoptera)
Monomorium destructor (Hymenoptera)
Pagiocerus fiorii (Coleoptera)
Pyrausta nubilalis (Lepidoptera)
Sesamia nonagrioides(?) (Lepidoptera)
ZINGIBER:
Pentalonia nigronervosa (Homoptera)
"Taryionia" hartii (Homoptera)
ZINGIBERACEAE:
Pulvinaria psidii (Homoptera)
ZINNIA:
Haplothrips gowdeyi (Thysanoptera)

Hosts Unknown

AIRPLANE:
Adelphocoris lineolatus (Hemiptera)
Aeneolamia varia (Homoptera)
A. varia saccharina (Homoptera)
Aethus indicus (Hemiptera)
Cassida circumdata (Coleoptera)
Chalciope hyppasia (Lepidoptera)
Cicadella spectra (Homoptera)
C. viridis (Homoptera)
Coenobela paucula (Lepidoptera)
Dacus cucurbitae (Diptera)
D. dorsalis (Diptera)
Diaphania costata (Lepidoptera)
D. quadristigmalis (Lepidoptera)
Diaprepes abbreviatus (Coleoptera)
D. abbreviatus var. (Coleoptera)
Diathrausta angustella (Lepidoptera)
Elousa albicans (Lepidoptera)
Empoasca kraemeri (Homoptera)
Geotomus pygmaeus (Hemiptera)
Gynaikothrips ficorum(?) (Thysanoptera)
Lachnopus hispidus (Coleoptera)
Leucochroma corope (Lepidoptera)
Lucanus cervus (Coleoptera)
Lygaeus pandurus (Hemiptera)
Mamestra brassicae (Lepidoptera)
Megachile fullawayi (Hymenoptera)
Metamasius hemipterus hemipterus (Coleoptera)
M. hemipterus sericeus (Coleoptera)
Mocis frugalis (Lepidoptera)
Nephotettix apicalis (Homoptera)
Notogramma stigma (Diptera)
Nysius plebeius (Hemiptera)
N. raphanus (Hemiptera)
Otosema odorata (Lepidoptera)
Pachybrachius nigriceps (Hemiptera)
Paroecanthus annulatus (Orthoptera)
Platypus rugulosus (Coleoptera)
Plesiommata mollicella (Homoptera)
Proelymiotis johanna (Lepidoptera)
Pycnarthrum pallidum (Coleoptera)
Pycnoderes monticulifer (Hemiptera)
Saccharosydne saccharivora (Homoptera)
Samoedes cancellalis (Lepidoptera)
Sardia pluto (Homoptera)
Scaptocoris minor (Coleoptera)
Schoenobius incertulas (Lepidoptera)
Sinoxylon conigerum (Coleoptera)
Spodoptera exempta (Lepidoptera)
S. mauritia (Lepidoptera)
Sybra alternans (Coleoptera)
Synyrias diffundens (Lepidoptera)
Tetrapriocera longicornis (Coleoptera)
AUTOMOBILE:
Helix aspersa (Mollusca)
BAGGAGE:
Achatina fulica (Mollusca)
Dacus oleae (Diptera)
Diaprepes abbreviatus (Coleoptera)
Diploptera punctata (Orthoptera)
Geotomus pygmaeus (Hemiptera)
Helix cincta (Mollusca)
Iridomyrmex humilis (Hymenoptera)
Nysius plebeius (Hemiptera)
Ochrimnus collaris (Hemiptera)
Plusia chalcites (Lepidoptera)
Prosoplus bankii (Coleoptera)
Sybra alternans (Coleoptera)
Theba pisana (Mollusca)
BAGGING:
Trogoderma granarium (Coleoptera)
BARK:
Aspidiotus herculeanus (Homoptera)
Chionaspis salicis (Homoptera)
Ips typographus (Coleoptera)
Polygraphus rufipennis (Coleoptera)
"BEAN"
Ancylostomia stercorea (Lepidoptera)
Trogoderma granarium (Coleoptera)
BRAN:
Trogoderma glabrum (Coleoptera)
BURLAP BAG:
Pheidole megacephala (Hymenoptera)
CARGO—GENERAL:
Achatina achatine (Mollusca)
Theba pisana (Mollusca)
CELLULOSE:
Trogoderma glabrum (Coleoptera)
CONIFEROUS PLANT:
Drymus sylvaticus (Hemiptera)
CORK STAVE:
Scobicia chevrieri (Coleoptera)
CORM—UNIDENTIFIED:
Puto mexicanus (Homoptera)
CRATE:
Helix aspersa (Mollusca)
Reticulitermes tibialis (Isoptera)
CUTTING—UNIDENTIFIED:
Brevipalpus obovatus (Acarina)
Helicella caperata (Mollusca)
Pseudococcus boninsis (Homoptera)
DRIFTWOOD:
Cryptotermes domesticus (Isoptera)
Pheidole megacephala (Hymenoptera)
FLOUR:
Trogoderma granarium (Coleoptera)
FLOWERS:
Bradybaena similaris (Mollusca)
Conotelus mexicanus (Coleoptera)
Dialeurodes kirkaldyi (Homoptera)
Frankliniella intonsa (Thysanoptera)
Geotomus pygmaeus (Hemiptera)
Haplothrips gowdeyi (Thysanoptera)
Iridomyrmex humilis (Hymenoptera)
Limax marginatus (Mollusca)
Myzus ascalonicus (Homoptera)
Parthenothrips dracaenae (Thysanoptera)
Platynota rostrana (Lepidoptera)
Protopulvinaria pyriformis (Homoptera)
Pseudococcus gahani (Homoptera)
Spodoptera mauritia (Lepidoptera)
Taeniothrips atratus (Thysanoptera)
T. picipes (Thysanoptera)
Tetranychus cinnabarinus (Acarina)
Thrips flavus (Thysanoptera)
T. major (Thysanoptera)
FOLIAGE:
Bradybaena similaris (Mollusca)
FOOD FOR SALAMANDER:
Deroceras reticulatum (Mollusca)
WITH FRAXINUS SP.:
Aspidaphium cuspidati(?) (Homoptera)
FRUIT:
Dacus dorsalis (Diptera)
Iridomyrmex humilis (Hymenoptera)
Leptura fulva (Coleoptera)
Monomoruim destructor (Hymenoptera)
GRAIN:
Trogoderma glabrum (Coleoptera)
GRASS SEED:
Chirothrips egregius (Thysanoptera)
HERB:
Bradybaena similaris (Mollusca)
Capitophorus braggii(?) (Homoptera)
Metopoplax ditomoides (Hemiptera)
Pheidole megacephala (Hymenoptera)
Piesma capitatum (Hemiptera)
Tetranychus cinnabarinus (Acarina)
Tyrophagus infestans (Acarina)
LEAF—UNIDENTIFIED:
Ferrisia virgata (Homoptera)
Lepidosaphes tubulorum (Homoptera)
Restidia ruha(?) (Lepidoptera)
Verina supplicella (Lepidoptera)
LOG:
Conotelus mexicanus (Coleoptera)
Platypus rugulosus (Coleoptera)
MAIL PARCEL:
Achatina fulica (Mollusca)
Coptotermes formosanus (Isoptera)
Geotomus pygmaeus (Hemiptera)
Homoeogamia mexicana (Orthoptera)
Metioche vittaticollis (Orthoptera)
Oxydema fusiforme (Coleoptera)

Hosts Unknown—Continued

MILITARY CARGO:
Cochlicella barbara (Mollusca)
C. ventrosa (Mollusca)
Helicella caperata (Mollusca)
H. derbentina(?) (Mollusca)
H. itala (Mollusca)
H. maritima (Mollusca)
H. neglecta (Mollusca)
H. pyramidata (Mollusca)
H. trochoides (Mollusca)
Helix aspersa (Mollusca)
Metopoplax ditomoides (Hemiptera)
Otala lactea (Mollusca)
O. vermiculata (Mollusca)
Theba pisana (Mollusca)
Xeroleuca mograbina (Mollusca)
MOSS:
Tetranychus cinnabarinus (Acarina)
NONE (brought in as food)
Helix aspersa (Mollusca)
PACKING:
Drymus sylvaticus (Hemiptera)
WITH PALM LEAF:
Hexachaeta monostigma (Diptera)
PEAT MOSS:
Monacha schotti (Mollusca)
PLANTS:
Deroceras reticulatum (Mollusca)
Hercinothrips bicinctus (Thysanoptera)
Lamellaxis gracilis (Mollusca)
Pheidole megacephala (Hymenoptera)
Protopulvinaria pyriformis (Homoptera)
Zonitoides arboreus (Mollusca)
PLANT MATERIAL (dried arrangements)
Simodactylus cinnamomeus (Coleoptera)
Sybra alternans (Coleoptera)
QUARTERS:
Callidium rufipenne (Coleoptera)
Neoclytus acuminatus (Coleoptera)
RAILWAY CAR:
Trogoderma glabrum (Coleoptera)
T. inclusum (Coleoptera)
WITH RESIDUE OF TITANIUM OXIDE:
Trogoderma granarium (Coleoptera)
ROOTS:
Arion hortensis (Mollusca)
SPHAGNUM MOSS:
Anisolabis marginalis (Dermaptera)
Monacha cantiana (Mollusca)
STORES:
Trogoderma granarium (Coleoptera)
SUCCULENT:
Iridomyrmex humilis (Hymenoptera)
Pheidole megacephala (Hymenoptera)
TRAILER:
Coptosoma punctatissima (Hemiptera)
VEGETABLE:
Cylas formicarus var. (Coleoptera)
WOOD:
Callidium rufipenne (Coleoptera)
Dinoderus bifoveolatus (Coleoptera)
Heterobostrychus aequalis (Coleoptera)
Hylurgops palliatus (Coleoptera)
Ips typographus (Coleoptera)
Lyctus africanus (Coleoptera)
Micrapate labialis (Coleoptera)
Minthea rugicollis (Coleoptera)
Nasutitermes rippertii (Isoptera)
Phloeosinus shotoensis (Coleoptera)
Pityogenes chalcographus (Coleoptera)
P. quadridens (Coleoptera)
Pityokteines spinidens (Coleoptera)
Plagionotus arcuatus (Coleoptera)
Sinoxlyon anale (Coleoptera)
Tetrapriocera longicornis (Coleoptera)
Theba pisana (Mollusca)

Countries of Origin and Insects

AFGHANISTAN:
Trogoderma granarium
T. parabile
ALGERIA:
Parlatoria zizyphus
AMERICAN SAMOA:
Lamellaxis gracilis juncea
Pentalonia nigronervosa
AMERICAN VIRGIN ISLANDS:
Anastrepha mombinpraeoptans
ANGUILLA:
Cyclas formicarius elegantulus
Fundella pellucens
ANTIGUA:
Furcaspis biformis
Protopulvinaria pyriformis
Pulvinaria psidii
Vinsonia stellifera
ARGENTINA:
Brevipalpus phoenicis
Ceratitis capitata
Ceroplastes rusci
Chrysomphalus personatus
Ectomyelois ceratoniae
Edessa meditabunda
Naupactus xanthographus
Parlatoria cinerea
Selenothrips rubrocinctus
Typophagus infestans
Unaspis citri
ARUBA:
Stephanoderes hampei
AUSTRALIA:
Aonidiella citrina
Ceroplastes rubens
Deroceras reticulatum
Dialeurodes kirkaldyi
Frankliniella schultzei
Gnorimoschema plaesiosema
Haplothrips gowdeyi
Isoneurothrips obscuratus(?)
Lepidosaphes tokionis
L. tuberculata
Melanoides tuberculata
Orchamoplatus citri
O. mammaeferus
Pheidole megacephala
Platysectra analis
Pseudanaphothrips achaetus(?)
Taeniothrips hawaiiensis
Tenuipalpus pacificus
Thiara balonnensis
Thrips imaginis
Trogoderma granarium
AUSTRIA:
Chionaspis salicis
AZORES:
Helix aspersa
Hercinothrips bicinctus
Iridomyrmex humilis
Isoneurothrips australis
Pyrausta nubilalis
Sesamia nonagrioides(?)
BAHAMAS:
Ancylostomia stercorea
Aspidiotus destructor
Asterolecanium epidendri
Cylas formicarius elegantulus
Fundella pellucens
Haplothrips gowdeyi
Ips calligraphus
Lepidosaphes tokionis
Monomorium destructor
Vinsonia stellifera
Zenodiatraea lineolata
BARBADOS:
Chrysomphalus personatus
Fundella pellucens
Lepidosaphes tokionis
Pseudococcus citricus
"Targionia" hartii
Tenuipalpus pacificus
Vinsonia stellifera
BELGIAN CONGO:
Pentalonia nigronervosa
Stephanoderes hampei
BELGIUM:
Arion circumscriptus
Franklinella intonsa
Haplothrips aculeatus
Hyperaspis pallidus
Phytomyza rufipes
Pityogenes chalcographus
Thrips major
Tyrophagus infestans
BERMUDA:
Bradybaena similaris
Brevipalpus obovatus
Diaspis minima
Haplothrips gowdeyi
Iridomyrmex humilis
Pheidole megacephala
Protopulvinaria pyriformis
Sitona lineata
BOLIVIA:
Asterolecanium epidendri
BORNEO:
Sternochetus frigidus
BRAZIL:
Acanthoscelides bixae
Aleurothrixus floccosus
Asterolecanium epidendri
Bradybaena similaris
Ceratitis capitata
Cerconota anonella
Chrysomphalus personatus
C. reniformis (tentative)
Coccus africanus
Deroceras reticulatum
Euscepes postfasciatus
Furcaspis biformis
Gibbobruchus speculifer
Haplothrips gowdeyi
Laspeyresia araucaria(?)
Leucaspis cockerelli
Leucoptera coffeella
Maruca testulalis
Neoleucinodes elegantalis
Parlatoria cinerea
Pectinophora gossypiella
Pinnaspis buxi
Protopulvinaria pyriformis
Pseudaonidia trilobitiformis
Pseudischnaspis linearis
Stephanoderes hampei
Taeniothrips dianthi
Tenthecoris orchidearum
Tenuipalpus heveae
Tetrapriocera longicornis
Unaspis citri
BRITISH GUIANA:
Aspidiotus destructor
Neodryocoetes guianae
Vinsonia stellifera
BRITISH HONDURAS:
Brachyetethus rubromaculatus
Pheidole megacephala
Pseudischnapeis alienus
Vinsonia stellifera
BRITISH WEST INDIES (island(?)):
Aeneolamia varia saccharina
Saccharosydne saccharivora
Tetrapriocera longicornis
BURMA:
Parlatoria pseudaspidiotus
CANADA:
Ips borealis
Megalonotus chiragra
Polygraphus rufipennis
Scolytus multistriatus
CANAL ZONE:
Capaneus tetricus
Chrysomphalus tenax
Conchaspis orchidarum
Eucactophagus carinipyga
Ferrisia virgata

Countries of Origin and Insects—Continued

CANAL ZONE—Continued
Furcaspis biformis
Parlatoria pseudaspidiotus
Pinnaspis buxi
Pseudischnaspis alienus
Vinsonia stellifera
Xestolabus corvinus
CANARY ISLANDS:
Chrysomphalus pinnulifer
CANTON ISLAND:
Geotomus pygmaeus
CAPE VERDE ISLANDS:
Pheidole megacephala
CENTRAL AMERICA (country(?)):
Anastrepha mombinpraeoptans
CEYLON:
Monomorium destructor
CHILE:
Conoderus rufangulus
Geniocremnus chilensis
Gnorimoschema plaesiosema
Iridomyrmex humilis
Leptoglossus chilensis
Listroderes subcinctus
Lygaeus albo-ornatus
Naupactus xanthographus
Porotermes quadricollis
Pseudococcus gahani
CHINA:
Parlatoria zizyphus
Unaspis yanonensis
CHRISTMAS ISLAND:
Notogramma stigma
COLOMBIA:
Anastrepha mombinpraeoptans
Conotelus mexicanus
Ectomyelois muricis
Iridomyrmex pilifer
Lamellaxis gracilis
Leucaspis cockerelli
Limax maximus(?)
Minthea rugicollis
Pagiocerus fiorii
Platypus rugulosus
Tetranychus cinnabarinus
COSTA RICA:
Anastrepha mombinpraeoptans
Aspidiotus palmae
Asterolecanium epidendri
Brevipalpus phoenicis
Ceratitis capitata
Chrysomphalus umboniferus
Conotrachelus perseae
Deroceras reticulatum
Diaphania quadristigmalis
Eucactophagus aurocinctus
Farinococcus guatemalensis
Furcaspis biformis
Galgupha punctifer
Iridomyrmex iniquus
Lamellaxis gracilis
Leucaspis cockerelli
Leucoptera coffeella
Ligyrocoris aurivilliana
Limax marginatus
Mecolaemus carvalhoi
Pinnaspis buxi
Platynota rostrana
Pseudischnaspis alienus
Vinsonia stellifera
Zonitoides arboreus
CUBA:
Anacentrinus insularis
Anastrepha mombinpraeoptans
A. suspensa
Aspidiotus destructor
A. herculeanus
Asterolecanium epidendri
Bradybaena similaris
Brevipalpus phoenicis
Cecilioides aperta
Chrysomphalus propsimus
Coccus viridis
Cyclas formicarius elegantulus
Dialeurodes kirkaldyi
Ectomyelois decolor
Elousa albicans
Euborellia stali
Ferrisia virgata
Gynaikothrips ficorum(?)
Haplothrips gowdeyi
Lachnopus hispidus
Lamellaxis mauritianus
Leucaspis cockerelli
Metamasius hemipterus sericeus
Metopoplax ditomoides
Mormidea pictiventris of authors
Nasutitermes rippertii
Nysius raphanus
Pagiocerus fiorii
Pectinophora gossypiella
Pentalonia nigronervosa
Pheidole megacephala
Pinnaspis buxi
Platynota rostrana
Protopulvinaria pyriformis
Pseudoparlatoria ostreata
Pycnarthrum pallidum
Ribua innoxia
Selenothrips rubrocinctus
Tetranychus cinnabarinus
Tetraopsis longicornis
Theba pisana
CURAÇAO:
Fiorinia theae
CYPRUS:
Ceratitis capitata
CZECHOSLOVAKIA:
Taeniothrips atratus
DENMARK:
Limothrips denticornis
Phytomyza rufipes
DOMINICAN REPUBLIC:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Cecilioides aperta
Coccus viridis
Cyclas formicarius var.
C. formicarius elegantulus
Diaprepes abbreviatus
Ectomyelois ceratoniae
Metamasius hemipterus hemipterus
Monomorium destructor
Pectinophora gossypiella
Pseudococcus boninsis
Pycnoderes monticulifer
Ribua innoxia
Vinsonia stellifera
EAST AFRICA (country(?)):
Monomorium destructor
ECUADOR:
Althos graptosternus
Aonidiella inornata
Aspidiotus diffinis
Asterolecanium epidendri
Cerconota anonella
Chrysomphalus umboniferus
Epilachna paenulata
Euglandina striata
Furcaspis biformis
Iridomyrmex iniquus
Metamasius hemipterus sericeus
Niveaspis vulcanicus
Pagiocerus fiorii
Porphyrobaphe isotoma
Solaropsis monile
Stenoma catenifer
EGYPT:
Ceratitis capitata
Earias insulana(?)
Gnorimoschema ocellatella
Hellula undalis
Sinozylon anale
Trogoderma granarium

Countries of Origin and Insects—Continued

EL SALVADOR:
Anastrepha mombinpraeoptans
Anastrepha striata(?)
Aulacaspis mangiferae
Chrysomphalus calurus
Dialeurodes citrifolii
Leucaspis cockerelli
Pseudischnaspis alienus
Stenoma catenifer
ENGLAND:
Acanthosoma haemorrhoidale
Anuraphis tulipae
Arion ater
A. circumscriptus
Curculio elephas
Deroceras reticulatum
Dialeurodes chittendeni
Drymus sylvaticus
Eriophyes canestrinii
Ernobius abietis
Euleia heraclei
Filippia viburni
Fossaria truncatula
Frankliniella intonsa
Helix aspersa
Myrmedobia distinguenda
Myzus ascalonicus
Oxychilus cellarius
Pealius azaleae
Phytomyza rufipes
Pulvinaria floccifera
Sciocoris cursitans(?)
Stenotarsonemus laticeps
Taeniothrips atratus
T. ericae
T. picipes
Tetranychus cinnabarinus
Thrips flavus
T. major
Trogoderma granarium
Tyrophagus infestans
ENIWETOK:
Furcaspis oceanica
Lepidosaphes esakii
EUROPE (country(?)):
Ceratitis capitata
Leptura fulva
Myzus ascalonicus
FEDERATION OF MALAYA:
Dacus pedestris
Pulvinaria psidii
Sipylus dilatatus
FIJI ISLANDS:
Dacus passiflorae
Haplothrips gowdeyi
Lepidosaphes tokionis
Orchamoplatus mammaeferus
Parlatoria zizyphus
Pheidole megacephala
Sardia pluto
FINLAND:
Frankliniella intonsa
Taeniothrips atratus
T. ericae
Thrips flavus
FORMOSA:
Fiorinia theae
Lepidosaphes tuberculata
Parlatoria zizyphus
Trogoderma granarium
Unaspis yanonensis
FRANCE:
Acoria macrochelus
A. macrorhynchus
A. tulipae
Acrolepia assectella
Anuraphis cardui
Arion ater
A. circumscriptus
A. hortensis
Asterobemisia carpini
Cecilioides acicula
Cenopalpus pulcher
Ceratitis capitata
Curculio elephas
Deroceras reticulatum
Frankliniella intonsa
Grapholitha janthiana
Helicella caperata
H. itala
H. maritima
Helix aspersa
Iridomyrmex humilis
Laspeyresia splendana
Lobesia botrana
Mamestra brassicae
Miccotrogus picirostris
Palpita unionalis
Pentarthrum huttoni
Philaenus leucophthalmus
Phytomyza rufipes
Rhagoletis cerasi
Rhaphogaster nebulosa
Rhyparochromus alboacuminatus
Stenopterus rufus
Theba pisana
Thrips angusticeps
T. major
FRENCH WEST AFRICA:
Caryedon fuscus
GERMANY:
Adoxophyes orana
Anthonomus rectirostris
Arion hortensis
Aspidaphium cuspidati(?)
Chionaspis salicis
Deroceras reticulatum
Dryocoetes autographus
Frankliniella intonsa
Haplothrips aculeatus
Helicella caperata
Hercinothrips bicinctus
Ips typographus
Kleidocerys ericae(?)
Leucaspis loewi
Limothrips denticornis
Lucanus cervus
Oxychilus alliarius
Phytomyza rufipes
Pityokteines spinidens
Rhagoletis cerasi
Taeniothrips atratus
T. dianthi
Thrips angusticeps
T. flavus
T. major
Tyrophagus infestans
GERMANY(?):
Systole albipennis
GREAT BRITAIN (country(?)):
Evergestis forficalis
Phytomyza rufipes
GREECE:
Ceratitis capitata
Ceroplastes rusci
Cryptoblabes gnidiella
Curculio elephas
Dacus oleae
Ectomyelois ceratoniae
Ephestia calidella
Helicella maritima
Helix figulina
Laspeyresia splendana
Leucaspis riccae
Otala lactea
Parlatoria oleae
Pollinia pollini
Prays oleellus
Sesamia cretica
Thrips angusticeps
Trialeurodes lauri
Trogoderma granarium
GUAM:
Agonozena pyrogramma
Aonidiella inornata
Cassida circumdata
Coccus viridis
Lepidosaphes esakii
Pentalonia nigronervosa

Countries of Origin and Insects—Continued

GUAM(?):
Mamestra brassicae
Mocis frugalis
Nephotettix apicalis
Pachybrachius nigriceps
GUATEMALA:
Anastrepha ludens
A. mombinpraeoptans
A. serpentina
Asterolecanium epidendri
Chrysomphalus calurus
C. umboniferus
Conotrachelus aguacatae
Diorymerellus laevimargo
Eurytoma orchidearum
Furcaspis biformis
Heraeus eximus
Iridomyrmex iniquus
Leucaspis cockerelli
Limax marginatus
Metamasius hemipterus sericeus
Orthezia pseudinsignis
Pseudischnaspis alienus
Pseudoparlatoria ostreata
Puto ulter
Restidia ruha(?)
Tenthecoris distinctus
Verina supplicella
HAITI:
Aganactesis indecora
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Coccus viridis
Haplothrips gowdeyi
Iridomyrmex keiteli subfasciatus
Minthea rugicollis
Monomorium destructor
Tetranychus cinnabarinus
Vinsonia stellifera
HAWAII:
Achatina fulica
Antonina bambusae
Araecerus levipennis
Asterolecanium bambusae
Bradybaena similaris
Brevipalpus phoenicis
Caryedon fuscus
Ceratitis capitata
Ceroplastes rubens
Coccus viridis
Conoderus exsul
Conotelus mexicanus
Coptotermes formosanus
Cryptophlebia illepida
Cyclas formicarius elegantulus
Dacus cucurbitae
D. dorsalis
Deroceras reticulatum
Diachus auratus
Dialeurodes kirkaldyi
Diocalandra taitensis
Diploptera punctata
Euscepes postfasciatus
Furcaspis biformis
F. oceanica
Geolomus pygmaeus
Lampides boeticus
Lepidosaphes tokionis
Leucaspis cockerelli
Maruca testulalis
Megacerus alternatus
Metioche vittaticollis
Nysius coenosulus
Odonaspis greenii
Otosema odorata
Oxydema fusiforme
Parlatoria crotonis
P. pseudaspidiotus
P. zizyphus
Pealius hibisci
Pectinophora gossypiella
P. scutigera
Pentalonia nigronervosa
Perkinsiella saccharicida
Pheidole megacephala
Pinnaspis buxi
P. uniloba
Plusia chalcites
Prosoplus bankii
Pseudaonidia clavigera
Pseudococcus palmarum
Pulvinaria psidii
Rhabdoscelus obscurus
Selenothrips rubrocinctus
Simodactylus cinnamomeus
Siphanta acuta
Spodoptera mauritia
Stephanoderes perkinsi
Sternochetus mangiferae
Sybra alternans
Systole geniculata
Taeniothrips hawaiiensis
T. vitricornis
Teleonemia scrupulosa(?)
Xiphidiopsis lita
HONDURAS:
Anastrepha mombinpraeoptans
Aspidiotus destructor
Clerada apicicornis
Cosmopolites sordidus
Diaphania costata
Ectomyelois muricis
Furcaspis biformis
Haplothrips gowdeyi
Leucaspis cockerelli
Metamasius hemipterus sericeus
Pheidole megacephala
Platynota rostrana
Stenoma catenifer
Zonitoides arboreus
HONG KONG:
Bradybaena similaris(?)
Cylas formicarius var.
C. formicarius formicarius
Parlatoria zizyphus
Systole geniculata
Tachardina lobata (tentative)
Unaspis yanonensis
HUNGARY:
Rhagoletis cerasi
ICELAND:
Oxychilus alliarius
INDIA:
Diazenes dendrobii(?)
Heterobostrychus aequalis
Lyctus africanus
Sternochetus mangiferae
Trogoderma granarium
INDONESIA:
Parlatoria zizyphus
IRAN:
Cenopalpus pulcher
Chionaspis asiatica
Trogoderma grassmani
IRAQ:
Leucaspis pusilla
Trogoderma granarium
IRELAND:
Acalypta parvula
Acanthosoma haemorrhoidale
Arion ater
A. circumscriptus
A. hortensis
Deroceras reticulatum
Dicyphus pallidicornis
Eriophyes canestrinii
Helicella caperata
Myzus ascalonicus
Phytomyza rufipes
Stenecotarsonemus laticeps
Taeniothrips atratus
Thrips major
ISRAEL:
Aeolothrips tenuicornis(?)
Ceratitis capitata
Monacha schotti
Tetranychus cinnabarinus
Thrips angusticeps

Countries of Origin and Insects—Continued

ITALY:
Acrolepia assectella
Anuraphis cardui
Apion carduorum
Aspidiotus degeneratus
Brachycerus albidentatus
B. algirus
Brevipalpus phoenicis
Cecilroides acicula
Ceratitis capitata
Clysiana ambiguella
Cochlicella barbara
C. ventrosa
Cryptoblabes gnidiella
Curculio elephas
C. nucum
Dactylotrypes uyttenboogaarti
Dacus oleae
Deroceras reticulatum
Ectomyelois ceratoniae
Ephestia calidella
Euzophera vigella(?)
Filippia oleae(?)
Fossaria truncatula
Helicella caperata
H. itala
H. maritima
H. neglecta
H. pyramidata
H. striata
Helix aspersa
H. cincta
Holocacista rivillei(?)
Homotoma ficus
Hygromia cinctella
Iridomyrmex humilis
Laspeyresia splendana
Lepidosaphes ficus
Limax maximus
Milax gagates
Monacha cantiana
Monomorium destructor
Orsillus depressus
Parlatoria cinerea
P. oleae
P. zizyphus
Philaenus leucophthalmus
Phytomyza rufipes
Piesma capitatum
Pseudochelidura sinuata
Pseudococcus citricus
Pyrausta nubilalis
Reticulitermes lucifugus
Rhagoletis cerasi
Sesamia cretica
Sitona hispidula
Systole geniculata
Tetranychus cinnabarinus
Theba pisana
Thrips angusticeps
Tischeria complanella
Tyrophagus infestans
JAMAICA:
Aeneolamia varia saccharina
Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aspidiotus destructor
Asterolecanium epidendri
Brevipalpus phoenicis
Caryedon fuscus
Ectomyelois decolor
Furcaspis biformis
Monomorium destructor
Palaeopus costicollis
Pectinophora gossypiella
Platynota rostrana
Pseudoparlatoria ostreata
Veronicella sloani schivelyae
Vinsonia stellifera
JAPAN:
Aethus indicus
Anisolabis marginalis
Aonidiella citrina
A. inornata
Aspidiotus degeneratus
Aulacaspis latissma
Bryobia ehari
Callidium rufipenne
Carposina niponensis
Ceroplastes japonicus
Chalciope hyppasia
Chilo suppressalis
Chrysomphalus setiger(?)
Cicadella viridis
Coccus viridis
Coptosoma punctatissima
Dacus dorsalis
Deroceras reticulatum
Dialeurodes kirkaldyi
D. tristylii
Dichocrocis punctiferalis
Eysarcoris guttiger
Franklinella formosae
Gracilaria azaleella
Haplothrips gowdeyi
Ips acuminatus
Lepidosaphes conchiformis
L. pini
L. tuberculata
L. tubulorum
Mamestra brassicae
Morganella longispina
Nephotettix apicalis
Nipponaclerda biwakoensis
Nysius plebeius
Odonaspis lobulatus
Oligonychus perditus
Orchamoplatus mammaeferus
Palomena angulosa
Parlatoria zizyphus
Pentamerismus oregonensis
Phloeosinus shotoensis
Psylliodes punctifrons
Pyrausta nubilalis
Samoedes cancellalis
Schoenobius incertulas
Sinoxylon conjerum
Spodoptera exempta
Taeniothrips gracilis
T. hawaiiensis
Tetranychus viennensis
Thrips flavus
Trogoderma granarium
Unaspis citri
U. yanonensis
Zonitoides arboreus
JAPAN(?):
Cicadella spectra
Dacus cucurbitae
Parlatoria cinerea
Spodoptera mauritia
Sybra alternans
JORDAN:
Orellia punctata
KENYA:
Aspidiotus destructor
Myzus anselliae
Vinsonia stellifera
KWAJALEIN:
Furcaspis oceanica
Lepidosaphes esakii
Sybra alternans
KWAJALEIN(?):
Nephotettix apicalis
LEBANON:
Dacus oleae
Prays oleellus
LIBERIA:
Achatina achatine
Leucinodes orbonalis
Pseudococcus njalensis
Xyloperthella crinitarsis
LIBYA:
Helicella maritima
H. neglecta
Theba pisana

Countries of Origin and Insects—Continued

LUXEMBOURG:
Helicella caperata
MALTA:
Cryptoblabes gnidiella
Iridomyrmex humilis
Parlatoria oleae
Thrips angusticeps
MARIANA ISLANDS:
Lophothetes hirsutus
MEXICO:
Acalymma trivittata
Aconophora sinanjensis
Aleurocanthus woglumi
Aleuroglandulus emmae
Aleuroparadoxus gardeniae
Aleuroplatus variegatus(?)
Althos obscurus
Anastrepha ludens
A. mombinpraeoptans
A. striata
Anthonomus albolineatus
Asterolecanium epidendri
Batrachedra linaria
Cactophagus validirostris
Capaneus tetricus
Capitophorus braggii(?)
Chelysoma variabilis
Chilo loftini
Chrysomphalus agavis
C. albopictus
C. nigropunctatus
C. personatus
C. sphaerioides
C. tenax
C. tricuspis
Coelonertus nigrirostris
Conotelus mexicanus
Conotrachelus aguacatae
C. perseae
Corimelaena alticola
C. palmeri
Cosmopolites sordidus
Cryphalomorphus jalappae
Cryphula apicatus
Cylas formicarius elegantulus
Dactylopius confusus
Dendrocoris suffultus
Deroceras reticulatum
Dialeurodes citrifolii
Diorymerellus laevimargo
Dysdercus mimulus
Epilachna nigrocincta
Epinotia aporema
Eremberga insignis
Everes comyntas
Exptochiomera albomaculata
Ferrisia virgata
Frankliniella williamsi(?)
Furcaspis biformis
Galgupha punctifer
G. texana
Gnorimoschema gudmannella
Gymnococcus agavium
Haplothrips clarisetis(?)
Helix aspersa
Hesperolabops gelastops
Hexachaeta monostigma
Homoeogamia mexicana
Iridomyrmex humilis
Isorhinus undatus
Lepidosaphes philococcus
Leptopharsa tenuis
Leucoptera coffeella
Ligyrocoris auriwilliana
Limax marginatus
Melanocoryphus circumlitis
Metamasius hemipterus sericeus
Micrapate labialis
Mimosestes dominicanus
Mormidea pictiventris
Myodocha giraffa
Myrmecophila americana
Nasutitermes corniger
Neoleucinodes elegantalis
Nysius raphanus
Ochrimnus vittiscutis
Oedancala bimaculata
Opuntiaspis carinata
Orthezia pseudinsignis
Pallantia maculata
Parisoschoenus expositus
P. flavolimbatus
Pectinophora gossypiella
Phelypera distigma
Plagiodera scabricula
Platynota rostrana
Platypus rugulosus
Pseudischnaspis alienus
Pseudococcus gualatensis
Pseudoparlatoria ostreata
Psylla minuticona(?)
Pulvinaria psidii
Puto mexicanus
Pyrgocorypha sallei
Reticulitermes flavipes
R. tibialis
Scaphidium atrum
Scolytus multistriatus
Stenoma catenifer
"Targionia" bromiliae
Tenthecoris bicolor
T. confusus
T. orchidearum
T. vestitus
Tetranychus cinnabarinus
Tomotrypana curvicauda
Trialeurodes vitrinellus
Trioza anceps
Trogoderma glabrum
T. inclusum
T. parabile
T. sternale plagifer
Trogoxylon prostomoides
Zonitoides arboreus
MIDWAY ISLANDS:
Cicadella spectra
MIDWAY ISLANDS(?):
Cicadella viridis
Mocis frugalis
MOROCCO:
Cochlicella barbara
C. ventrosa
Helicella maritima
H. trochoides
Otala vermiculata
Scobicia chevrieri
Systole albipennis
Theba pisana
Thrips angusticeps
Xeroleuca mograbina
MOROCCO(?):
Laspeyresia splendana
Metopoplax ditomoides
NEPAL:
Pulvinaria psidii
NETHERLANDS:
Acrolepia assectella
Adozophyes orana
Anuraphis tulipae
Arion circumscriptus
A. hortensis
Deroceras reticulatum
Dialeurodes chittendeni
Eriophyes canestrinii
Evergestis forficalis
Gracilaria azaleella
Haplothrips aculeatus
Phytomyza rufipes
Trogoderma granarium
NETHERLANDS EAST INDIES:
Caryedon fuscus
NEW CALEDONIA:
Morganella longispina
Unaspis citri

Countries of Origin and Insects—Continued

NICARAGUA:
Anastrepha mombinpraeoptans
Aspidiotus herculeanus
Chrysomphalus personatus
Empoasca kraemeri
Paroecanthus annulatus
Plesiommata mollicella
Pseudischnaspis alienus
P. longissima
NIGERIA:
Dinoderus bifoveolatus
NIGERIA(?)
Trogoderma granarium
NORTH AFRICA (country(?)):
Theba pisana
NORTHERN IRELAND:
Steneotarsonemus laticeps
NORWAY:
Ips typographus
Lecanium corni
Pityogenes chalcographus
OKINAWA:
Parlatoria zizyphus
Unaspis yanonensis
PAKISTAN:
Trogoderma granarium
PALMYRA ISLAND:
Pheidole megacephala
PALMYRA ISLAND(?):
Megachile fullawayi
PANAMA:
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Aulacaspis mangiferae
Chrysomphalus umboniferus
Conchaspis orchidarum
Cosmopolites sordidus
Dialeurodes citrifolii
Diathrausta angustella
Fundella pellucens
Furcaspis biformis
Geotomus spinolai
Leucaspis cockerelli
Leucochroma corope
Metamasius hemipterus sericeus
Miogryllus ensifer
Parlatoria cinerea
P. pseudaspidiotus
Platypus rugulosus
Pseudischnaspis alienus
Stenoma catenifer
Tetraprioera longicornis
Unaspis citri
Valtissius diversus
Vinsonia stellifera
PERU:
Epinotia aporema
Heliz aspersa
Pagiocerus fiorii
Stenoma catenifer
PHILIPPINES:
Aleurocanthus spiniferus
Aleurotuberculatus jasmini
Aspidiotus excisus
A. palmae
Chrysomphalus tingi
Ferrisia virgata
Fiorinia nephelii
F. theae
Furcaspis biformis
Heterobostrychus aequalis
Icerya seychellarum
Lepidosaphes tuberculata
Monomorium destructor
Pachybrachius nietneri
Parlatoria chinensis
P. pseudaspidiotus
P. zizyphus
Phenacoccus hirsutus
Pinnaspis buxi
Pseudaonidia trilobitiformis
Pseudococcus lilacinus
Pulvinaria psidii
Tenuipalpus pacificus
Unaspis yanonensis
POLAND:
Baris lepidii
Curculio nucum
Deroceras reticulatum
Frankliniella intonsa
Lecanium corni
Pyrausta nubilalis
Rhagoletis cerasi
Taeniothrips atratus
Thrips major
PORTUGAL:
Acrolepia assectella
Aspidiotus britannicus
Callirhytis glandium
Ceratitis capitata
Ctenoglyphus canestrinii
Curculio elephas
C. nucum
Deroceras reticulatum
Dicyphus annulatus
Haplothrips cottei
Iridomyrmex humilis
Laspeyresia splendana
Limax marginatus
Rhagoletis cerasi
Taeniothrips ericae
Testacella maugei
Zonitoides arboreus
PUERTO RICO:
Anastrepha mombinpraeoptans
A. suspensa
Ancylostomia stercorea
Cylas formicarius elegantulus
Diaprepes abbreviatus
D. abbreviatus var.
Doru albipes
Ectomyelois ceratoniae
Euscepes postfasciatus
Fundella pellucens
Maruca testulalis
Metamasius hemipterus hemipterus
Ochrimnus collaris
Pectinophora gossypiella
Pentalonia nigronervosa
Pheidole megacephala
Protopulvinaria longivalvata
Pulvinaria urbicola
Vinsonia stellifera
RUMANIA:
Rhagoletis cerasi
ST. KITTS:
Ancylostomia stercorea
Euscepes postfasciatus
SCOTLAND:
Limothrips denticornis
Micrelus ericae
Steneotarsonemus laticeps
Taeniothrips atratus
T. ericae
Thrips major
SIERRA LEONE:
Alcidodes dentipes
SINGAPORE:
Pinnaspis orchidarum
Tenuipalpus pacificus
Trogoderma granarium
SOUTH AMERICA (country(?)):
Haplothrips gowdeyi
SOUTH PACIFIC:
Coccus viridis
Lepidosaphes tokionis
Orchamoplatus mammaeferus
Pulvinaria psidii
SPAIN:
Ceratitis capitata
Chilo suppressalis
Cryptoblabes gnidiella
Curculio elephas
Dacus oleae
Deroceras reticulatum
Ectomyelois ceratoniae
Eurydema ornatum
Helicella maritima
Heliz aspersa
Laspeyresia splendana

Countries of Origin and Insects—Continued

SPAIN—Continued
Newsteadia floccosa
Parlatoria zizyphus
Rhagoletis cerasi
SURINAM:
Fundella pellucens
Tettigonia oculata
Vinsonia stellifera
SWEDEN:
Ips typographus
Parthenothrips dracaenae
Phytomyza rufipes
Pityogenes chalcographus
P. quadridens
Pityophthorus micrographus
Taeniothrips atratus
Thrips flavus
Ulopa reticulata
SWITZERLAND:
Curculio elephas
Deroceras reticulatum
Ernobius abietis
Haplothrips aculeatus
Phytomyza gentianae(?)
Psylla rhododendri
Stenoptilia stigmatodactyla
SYRIA:
Ceratitis capitata
TAHITI:
Aspidiotus destructor
Dialeurodes kirkaldyi
Morganella longispina
THAILAND:
Parlatoria zizyphus
TORTOLA:
Ancylostomia stercorea
Euscepes postfasciatus
Orocharis vaginalis
TRINIDAD:
Aeneolamia varia
A. varia saccharina
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Coenobela paucula
Dercynus micronyx
Euscepes postfasciatus
Lepidosaphes tokionis
Maruca testulalis
Nasutitermes costalis
Orthezia praelonga
Palaeopus costicollis
Parlatoria cinerea
Pectinophora gossypiella
Pinnaspis buxi
Protopulvinaria longivalvata
Pseudaonidia trilobitiformis
Vinsonia stellifera
TUNISIA:
Ceratitis capitata
Dacus oleae
Parlatoria zizyphus
TURKEY:
Aspidiotus hedericola
Megastigmus suspectus pinsapinis
Prays oleellus
Stenodema holsatum
Theba pisana
TURKEY(?)
Helicella derbentina(?)
Helicella pyramidata
UNION OF SOUTH AFRICA:
Agrostothrips guillarmodi
Blissus diplopterus
Ceratitis capitata(?)
Chirothrips egregius
C. hoodi
C. pretorianus
Cryptophlebia leucotreta
Epichorista ionephela
Frankliniella schultzei
Haplothrips gowdeyi
H. nigricornis(?)
Homothrips distinctus
Iridomyrmex humilis
Megastigmus pistaciae
Oxychilus alliarius
Parlatoria cinerea
Phenacoccus stelli
Phlyctinus callosus
Pseudococcus gahani
Pyrausta nubilalis
UNION OF SOVIET SOCIALIST REPUBLICS:
Dacus oleae
UNKNOWN:
Adelphocoris lineolatus
Andrector atrofasciata
Aonidiella citrina
Arion hortensis
Ceratitis capitata
Conotelus mexicanus
Cryptophlebia leucotreta
Deroceras reticulatum
Ectomyelois ceratoniae
Euleia heraclei
Frankliniella intonsa
Iridomyrmex humilis
Lygaeus pandurus
Metopoplax ditomoides
Myzus ascalonicus
Otala vermiculata
Parlatoria cinerea
P. zizyphus
Pheidole megacephala
Plagionotus arcuatus
Taeniothrips atratus
Theba pisana
Trogoderma granarium
VENEZUELA:
Bephrata maculicollis
Coccus viridis
Ectomyelois muricis
Euscepes postfasciatus
Eutetranychus banksi
Furcaspis biformis
Hypsipyla ferrealis
Nasutitermes ephratae
Palaeopus costicollis
Proclymiotis johanna
Scaptocoris minor
Symyrias diffundens
Vinsonia stellifera
VENEZUELA(?):
Neoclytus acuminatus
VIETNAM:
Minthea rugicollis
Parlatoria zizyphus
Sternochetus olivieri
WAKE ISLAND:
Cryptotermes domesticus
WEST PACIFIC:
Geotomus pygmaeus
Nephotettix apicalis
YUGOSLAVIA:
Laspeyresia splendana
Monanthia lupuli
Rhagoletis cerasi
Stenodema laevigatum(?)

Pests Collected and Reported From July 1, 1958, Through June 30, 1959

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
†*Albuyo platensis* (Speg.) Swing.:					
Boerhaavia sp. (spiderling)	Philippines			1	Hawaii.
Alternaria dianthi F. L. Stevens & J. G. Hall:					
Dianthus caryophyllus (carnation)	France, Japan	2			Hawaii., N.Y.
†*Alternaria porri* (Ell.) (Cif.:					
Allium porrum (leek)	Netherlands		1		Calif.*
†*Angiopsora ampelopsidis* (Diet. et Syd.) Thirum. et Kern:					
Vitis vinifera (European grape)	Japan		1		Hawaii.
†*Anguina tritici* (Steinbuch) Filip.:					
Triticum aestivum (wheat)	Italy			1	N.Y.
Aphelenchoides fragariae (Ritzema Bos) Christie:					
Bletilla hyacinthina (orchid)	Japan, Netherlands			7	N.J.
Dahlia sp.	Belgium			1	N.J.
Heuchera 'Pruhoniciana' & 'Scintillation'	England			1	N.J.
Paeonia sp.	Japan			1	Fla.
Aphelenchoides subtenuis (Cobb) Steiner & Buhrer:					
Narcissus sp.	Italy			1	N.Y.
†*Ascochyta graminicola* Sacc.(?):					
Paspalum sp.(?)	Mexico		1		Tex.
Ascochyta pisi Lib.:					
Lens culinaris (lentil)	†Spain	1			N.Y.
Phaseolus vulgaris var. (string bean)	Japan		1		Wash.
Pisum sativum (pea)	Italy, Japan, Mexico, †Union of Soviet Socialist Republics.	1	3	1	Calif.,* Ill., N.Y., Tex.
Ascochyta pisi Lib.(?):					
Vicia faba (broadbean)	Italy		1		N.Y.
‡*Asterina raripoda* Doidge(?):					
Epidendrum radicans (orchid)	Costa Rica			1	Fla.
†*Cercospora angraeci* Feuill. & Roum.:					
Odontoglossum cariniferum (orchid)	do			1	Calif.*
†*Cercospora coffeicola* Berk. & Cke.:					
Coffea sp.	Puerto Rico			1	Fla.
‡*Cercospora grandissima* Rangel:					
Dahlia sp.	Argentina	1			N.Y.
†*Cercospora handelii* Bub.:					
Rhododendron indicum (indica azalea)	Japan			1	Calif.*
Rhododendron sp.	Union of South Africa	1			N.Y.
‡*Cercospora henningsii* Allesch.:					
Manihot esculenta (cassava)	Trinidad			1	N.Y.
†*Cercospora odontoglossi* Prill. & Del.:					
Odontoglossum sp. (orchid)	France			1	N.Y.
Cercospora oryzae I. Miyake:					
Oryza sativa (rice)	Mexico	1			Tex.
‡*Cercospora pancratii* Ell. & Ev.:					
Hymenocallis sp.	do			1	Tex.
Cercospora peidii Rangel:					
Psidium guajava (guava)	do	1			Tex.
Cercospora punicae P. Henn.:					
Punica granatum (pomegranate)	Puerto Rico	1			P.R.
Cercosporella mori Pk.:					
Morus sp. (mulberry)	Mexico	1			Tex.
Chrysomyxa ledi d By. var. *rhododendri* (d By.) Savile:					
Rhododendron charitopes	Canada			1	Wash.
R. ferrugineum (rock rhododendron)	Austria, Germany, Switzerland, unknown.	15			N.J., N.Y.
R. hirsutum (garland rhododendron)	Austria, Germany	2			N.J.
R. racemosum (Mayflower rhododendron)	Canada			1	Wash.
Rhododendron sp.	Austria, Switzerland	4		1	D.C., Ill., N.Y.
†*Cladosporium graminum* Lk.:					
Arrhenatherum sp.	Yugoslavia			1	D.C.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Coleosporium plumeriae Pat.:					
Plumeria sp.	Mexico			1	Tex.
Colletotrichum dematium (Fr.) Grove f. *truncata* (Schw.) Arx:					
Pisum sativum (pea)	do		1		Tex.
†*Colletotrichum graminicola* (Ces.) G. W. Wils.:					
Sorghum vulgare (sorghum)	Ceylon			1	D.C.
Coniella diplodiella (Speg.) Petr. & Syd.:					
Vitis sp. (grape)	Denmark			1	Calif.*
†*Coniothecium citri* McAlp.(?):					
Citrus limon (lemon)	Italy		1		Tex.
†*Coniothecium scabrum* McAlp.:					
Citrus paradisi X *C. reticulata* (tangelo)	India	1			Hawaii.
C. sinensis (orange)	Australia		1		Hawaii.
‡*Coniothyrium aucubae* Sacc.:					
Aucuba japonica variegata	Netherlands			1	N.J.
†*Coniothyrium concentricum* (Desm.) Sacc.:					
Yucca filamentosa (Adamsneedle yucca)	do			1	N.Y.
†*Coniothyrium cytisellum* (Pass. & Thuem.) Sacc.:					
Laburnum X *watereri*	Belgium			3	N.J.
Coniothyrium globulisporum Speg.:					
Agave americana (maguey)	Mexico	1			Tex.
Opuntia sp.	do			1	Tex.
†*Cordana musae* (Zimm.) Hoehn.:					
Musa paradisiaca sapientum (banana)	do	1			Calif.*
‡*Corticium centrifugum* Bres.:					
Pyrus communis (pear)	Argentina		1		Pa.
‡*Corynebacterium fascians* (Tilford) Dows.:					
Dahlia sp.	Switzerland			1	N.Y.
Phlox sp.	Netherlands			1	N.J.
Corynespora cassiicola (Berk. & Curt.) Wei:					
Chamaedorea sp. (palm)	Mexico	1			Tex.
Lycopersicon esculentum (tomato)	do	2			Tex.
†*Coryneum carpophilum* (Lév.) Jauch:					
Prunus persica (peach)	Peru		1		Fla.
‡*Criconemoides informe* (Micoletzky) Taylor:					
Plant—unidentified	Mexico			1	Tex.
Criconemoides mutabile Taylor:					
Axonopus sp. (carpet grass)	do			1	Tex.
Soil with *Jasminum* sp.	do			1	Tex.
Soil with *Narcissus* sp.	do			1	Tex.
Soil with potted plants	do			1	Tex.
Soil with tractor	do	1			Tex.
‡*Cryptocline paradoxa* (deN.) Arx:					
Hedera helix 'Baltic'	Netherlands			1	N.J.
†*Curvularia geniculata* (Tracy & Earle) Boed. group:					
Chamaedorea sp. (palm)	Mexico	1			Tex.
Curvularia lunata (Wakk.) Boed.:					
Gladiolus sp.	Cuba	2			Fla.
†*Cytospora chrysosperma* Fr.:					
Salix sp. (willow)	Ireland			1	N.Y.
†*Cytospora palmicola* Berk. & Curt.:					
Cocos nucifera (coconut)	Mexico			1	Tex.
†*Cytospora sacchari* Butl.:					
Saccharum officinarum (sugarcane)	Argentina			1	D.C.
Dendrophoma obscurans (Ell. & Ev.) H. W. Anderson:					
Fragaria sp. (strawberry)	Czechoslovakia, †France, †Germany, †Netherlands.			7	N.J., N.Y.
Diaporthe eres Nits.:					
Magnolia watsonii (Watson magnolia)	Japan			2	Calif.*
‡*Dinemasporium oryzae* I. Miyake:					
Oryza sativa (rice)	do	1			Calif.*
‡*Diplodia barringtoniae* F. Tassi:					
Barringtonia speciosa (India barringtonia)	Philippines			1	N.Y.
†*Diplodia coccocarpa* Sacc.:					
Cocos nucifera (coconut)	Guam	1			Calif.*

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
‡*Diplodia olea* Pegl.:					
Olea europaea (olive)	Lebanon	1			Mass.
†*Diplodia oryzae* I. Miyake:					
Oryza sativa (rice)	Japan	1	3		Calif.*
†*Discohainesia oenotherae* (Cke. & Ell.) Nannf.:					
Fragaria sp. (strawberry)	Czechoslovakia			1	N.J.
Ditylenchus destructor Thorne:					
Dahlia 'Leander'	Germany			1	N.J.
Dahlia 'Mr. Henry'	†Union of South Africa			1	N.J.
Dahlia hybrids	do			2	N.J.
Dahlia sp.	Germany			1	N.J.
Iris sp.	England			1	N.Y.
Ditylenchus destructor Thorne(?):					
Dahlia 'Tenshin'	†Japan			1	N.J.
Dahlia sp.	†Czechoslovakia, France.			2	N.J.
Ditylenchus dipsaci (Kühn) Filip.:					
Allium sativum (garlic)	Argentina, Italy, Mexico, Netherlands, Spain.	8	2		Ariz., La., N.Y., P.R.
Narcissus bulbocodium ssp. *romieuxii*	England			1	N.J.
Narcissus sp.	England, Italy			2	N.J., N.Y.
Scilla sibirica (Siberian squill)	Germany			1	N.Y.
Elsinoe australis Bitanc. & Jenkins:					
Citrus aurantifolia (sweet lime)	Brazil		1		Pa.
C. limon (lemon)	Argentina, Brazil		12		Calif.,* La., N.Y., Tex.
C. reticulata (Mandarin orange)	Argentina, Brazil, Paraguay, unknown.	1	10		Fla., N.Y., Tex.
C. sinensis (orange)	Argentina, Brazil, unknown.	2	74		Calif.,* Fla., La., Md., Mass., N.Y., Pa., Tex.
Elsinoe mangiferae Bitanc. & Jenkins:					
Mangifera indica (mango)	†Haiti, Mexico, Puerto Rico.	3	1		Ga., N.Y., Tex.
†*Entomosporium maculatum* Lév.:					
Amelanchier sp. (serviceberry)	Canada			2	N.J.
Entyloma oryzae Syd. & P. Syd.:					
Oryza sativa (rice)	†Hong Kong, India, Japan, Mexico.	10	80		Calif.,* Hawaii, Mass., N.Y., Tex.
Erwinia citrimaculans (Doidge) Magrou(?):					
Citrus sinensis (orange)	Africa (country(?))		1		Tex.
†*Eutypella cocos* Ferd. & Winge:					
Cocos nucifera (coconut)	British Samoa	4			Calif.*
Fusarium oxysporum Schlecht.:					
Rudbeckia sp. (coneflower)	Netherlands			1	N.Y.
†*Fusicladium eriobotryae* (Cav.) Sacc.:					
Eriobotrya japonica (loquat)	Greece	1			N.Y.
‡*Gibbera compacta* (Pk.) Shear(?):					
Beaucarnea sp.	Mexico			1	Tex.
‡*Gnomonia leptostyla* (Fr.) Ces. & deN.:					
Juglans sp. (walnut)	Germany	1			Tex.
Gottholdsteineria goodeyi (Loof & Oostenbrink) Andrassy:					
Apium sp. (celery)	†Norway		1		Calif.*
Soil with *Allium porrum* (leek)	†Germany		1		Md.
Soil with *Daucus carota* (carrot)	†Netherlands		1		Md.
Soil with plants	Ireland			1	Mass.
"Greasy spot":					
Citrus sinensis (orange)	Mexico	1			Tex.
Citrus sp.	do	1			Tex.
Gymnosporangium haraeanum Syd.:					
Juniperus chinensis var. *sargentii*	Japan			1	Hawaii.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Helicotylenchus erythrinae (Zimmermann) Golden:					
Sod	Canada	1			Mass.
Soil with *Juniperus* sp. and *Sorbus* sp.	†Finland			1	Mass.
Soil with plant	Italy			1	Mass.
Soil with *Solanum tuberosum* (potato)	Scotland			1	Mass.
Helicotylenchus multicinctus (Cobb) Golden:					
Soil with *Tradescantia fluminensis* (wandering-jew).	Mexico			1	Tex.
Helicotylenchus nannus Steiner:					
Beta vulgaris (beet)	†Ceylon		1		Mass.
Cactus	Mexico			1	Tex.
Soil	†American Virgin Islands, Mexico.	2			P.R., Tex.
Soil with *Begonia* sp.	Mexico			2	Tex.
Soil with bulbs	do			1	Tex.
Soil with *Gardenia augusta* (gardenia)	do			3	Tex.
Soil with *Hibiscus* sp.	do			1	Tex.
Soil with *Nerium oleander* (oleander)	do			1	Tex.
Soil with plants	do			6	Tex.
Soil with tractor	do	1			Tex.
†*Helminthosporium oryzae* B. de Haan:					
Oryza sativa (rice)	Hong Kong	1			Pa.
†*Hendersonia citri* McAlp.:					
Citrus paradisi (grapefruit)	Australia		1		Hawaii.
‡*Hendersonia socia* McAlp.:					
Citrus sinensis (orange)	do		1		Hawaii.
Heterodera avenae (Wr.) Filip.:					
Soil	France	1			N.Y.
Soil with *Amaryllis* sp. and *Clivia* sp.	Germany			1	N.Y.
Soil with automobiles	England, Germany	4			Ala., Tex.
Soil with *Brassica napobrassica* (rutabaga)	Netherlands	1			Fla.
Soil with *Chrysanthemum* sp.	England			1	N.J.
Soil with *Dahlia* sp.	Czechoslovakia			1	N.J.
Soil with *Fragaria* sp. (strawberry)	Germany			1	D.C.
Soil with *Gladiolus* sp.	England			1	N.J.
Soil with orchid plant	†Portugal			1	Mass.
Soil with plants	England		1	2	Fla., Mass., N.Y.
Soil with *Ribes nigrum* and *R. rubrum*	Czechoslovakia			1	N.J.
Soil with *Solanum tuberosum* (potato)	Denmark, Japan		2		Tex.
Heterodera cacti Filip. & Schuurm. Stek.:					
Soil	Mexico	5	1		Ariz., Calif., Tex.
Soil with *Adiantum* sp. (maidenhair fern)	do			1	Tex.
Soil with *Agave* sp.	do			1	Ariz.
Soil with *Allium sativum* (garlic)	do	4			N.Y., Pa.
Soil with *Asparagus sprengeri*	do			1	Tex.
Soil with *Begonia* sp.	do	1		4	Tex.
Soil with *Bellis* sp. (daisy)	do			1	Tex.
Soil with bulbs, plants, and tubers	do			1	Tex.
Soil with cactus plants	†Austria, France, Germany, Mexico, Switzerland.		1	47	Calif.,* Ill., Mass., N.J., N.Y., Tex.
Soil with *Caladium* sp.(?)	Mexico			1	Tex.
Soil with *Capsicum frutescens* (pepper)	do			1	Tex.
Soil with *Cereus* sp. (cactus)	†Netherlands			1	N.J.
Soil with *Chrysanthemum parthenium* (feverfew) and *Mentha* sp. (mint).	Mexico			1	Tex.
Soil with *Coleus* sp.	do			1	Tex.
Soil with *Cymbopogon citratus* (lemongrass)	do			1	Tex.
Soil with *Dianthus caryophyllus* (carnation)	do			1	Tex.
Soil with *Epidendrum* sp. (orchid)	†Brazil			1	D.C.
Soil with fern plants	Mexico			2	Tex.
Soil with *Gardenia augusta*	do	1			Tex.
Soil with *Gossypium* sp. (cotton)	do			1	Tex.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Heterodera cacti Filip. & Schuurm. Stek.—Con.					
Soil with *Gypsophila* sp.	Mexico	1			Tex.
Soil with *Jasminum* sp.	do			1	Tex.
Soil with *Lilium* sp. (lily)	do			1	Tex.
Soil with *Mammillaria* sp. (cactus)	do			1	Ariz.
Soil with *Matthiola* sp. (stock) and *Zebrina* sp.	do			1	Tex.
Soil with *Mentha* sp. (mint)	do			2	Ill., Tex.
Soil with *Pelargonium* sp. (geranium)	do			2	Tex.
Soil with *Pelargonium* sp. and *Verbena* sp.	do			1	Ariz.
Soil with *Pilea* sp.	do			1	Tex.
Soil with plants	England, Mexico	2		42	Ariz., Mass., Tex.
Soil with railway car	Mexico		13		Ariz., Tex.
Soil with roots	do	1			Tex.
Soil with *Rosa* sp.	do			1	Ariz.
Soil with *Rumex* sp. (dock)	do			1	D.C.
Soil with *Selaginella* sp.	do			1	Tex.
Soil with *Solanum tuberosum* (potato)	do		4		Calif., Tex.
Soil with succulent plants	do			3	Tex.
Soil with truck	do	1			Tex.
Soil with *Zebrina pendula*	do			1	Tex.
Soil with *Zephyranthes* sp. (zephyrlily)	do			2	Ariz., Tex.
†*Heterodera humuli* Filip.(?):					
Soil with *Humulus* sp. (hop)	Yugoslavia			1	D.C.
Heterodera punctata Thorne:					
Soil	Germany	1			Ala.
Soil with automobiles	England, France, Germany, Italy.	12			Ala., Fla., Md., Mass., N.Y., Tex.
Soil with cactus plant	Mexico			1	Tex.
Soil with *Calluna vulgaris* (heather)	Scotland			1	N.Y.
Soil with *Chrysanthemum* sp.	England			1	N.J.
Soil with *Cyclamen* sp.	do			1	N.J.
Soil with *Dahlia* sp.	do			1	N.J.
Soil with earth-moving equipment	do		1		Tex.
Soil with *Hedera* sp. (ivy)	England, Germany			2	N.Y.
Soil with *Hevea brasiliensis*	Mexico			1	Ariz.
Soil with *Juniperus* sp. and miscellaneous perennials.	England			1	N.J.
Soil with *Kalanchoe* sp.	Germany			1	Mass.
Soil with *Mentha* sp. (mint)	Mexico			1	Ill.
Soil with plants	England, Ireland, Mexico.		1	4	Fla., Mass., Tex.
Soil with *Solanum tuberosum* (potato)	England, Germany	1	2		N.Y., S.C., Tex.
Soil with *Viola* sp. (violet)	Ireland			1	N.Y.
†*Heterodera punctata* Thorne(?):					
Soil with *Dioscorea* sp. (yam)	Japan		1		Calif.*
Heterodera rostochiensis Wr.:					
Soil	England, Mexico, Sweden.	3			Mich., Tex., Wash.
Soil with *Amaryllis* sp.	Mexico			1	Tex.
Soil with *Amaryllis* sp. and *Cereus* sp.	Sweden			1	N.Y.
Soil with automobiles	France, Germany	9			Ala., Fla., Tex.
Soil with *Beaucarnea* sp.(?)	Mexico			1	Tex.
Soil with *Begonia* sp.	do	1		1	Tex.
Soil with *Begonia* sp. and *Pelargonium* sp.	England			1	N.Y.
Soil with *Beta vulgaris* (beet)	do		1		Tex.
Soil with *Brassica napobrassica* (rutabaga)	Netherlands		1		Fla.
Soil with cactus plant	England, Mexico		1	1	Pa., Tex.
Soil with *Calluna vulgaris* (heather)	England, Scotland			6	Calif.*, N.Y.
Soil with *Coleus* sp.	England			1	Mass.
Soil with *Crinum* sp. and *Strelitzia* sp.	Mexico			1	Fla.
Soil with *Dahlia* sp.	Germany			1	N.Y.
Soil with *Dahlia* sp. and *Pelargonium* sp.	England			1	Mass.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Heterodera rostochiensis Wr.—Con.					
Soil with *Daucus carota* (carrot)	France, Norway, Sweden.		3		Fla., Tex.
Soil with *Dianthus caryophyllus*	Ireland			1	N.Y.
Soil with fern	Mexico			1	Tex.
Soil with fern, *Rosa* sp., and unidentified plants.	Azores			1	Mass.
Soil with *Ficus elastica* (Indiarubber fig)	Mexico			1	Tex.
Soil with *Fragaria* sp. (strawberry)	Germany			1	N.J.
Soil with *Gladiolus* sp.	England			1	N.J.
Soil with *Hedera helix* (English ivy)	Germany			1	N.Y.
Soil with *Hydrangea* sp.	England			1	N.Y.
Soil with *Ipomoea batatas* (sweetpotato)	Peru		1		Tex.
Soil with *Lycopodium* sp. (clubmoss)	England			1	N.Y.
Soil with *Mentha piperita* (peppermint)	Germany			1	Ill.
Soil with *Mentha* sp. (mint)	England			1	Mass.
Soil with *Monanthochloe littoralis* (shoregrass)	Mexico			1	Tex.
Soil with *Myrtus* sp. (myrtle)	Germany			1	N.Y.
Soil with orchid plant	Mexico			1	Tex.
Soil with *Picea* sp. (spruce)	Germany			1	Pa.
Soil with plants	England, Germany, Mexico.		1	9	Fla., N.Y., Tex.
Soil with *Sedum* sp.	Belgium			1	Ill.
Soil with *Solanum tuberosum* (potato)	Argentina, Canary Islands, England, Mexico, Poland, Scotland, unknown.	1	14		Fla., La., Mass., N.J., S.C., Tex.
Soil with succulent plant	England			1	N.Y.
Soil with tanks	Germany	1			Pa.
Soil with *Tradescantia* sp. and *Viola* sp.	do			1	N.J.
Soil with *Tulipa* sp.	England			1	Mass.
Soil with *Viola* sp. (pansy)	Ireland			1	N.Y.
Heterodera rostochiensis Wr.(?):					
Soil with *Solanum tuberosum* (potato)	Ecuador		1		Calif.*
†*Heteropatella setulosa* Hino & Katumoto: *Bambusa* sp. (bamboo)	China, Formosa	3			Calif.*
‡*Hoplolaimus proporicus* J. B. Goodey: Soil with *Chamaedorea* sp. (palm)	Nicaragua			1	Tex.
‡*Hypoxylon mediterraneum* (deN.) J. H. Miller: *Euphoria* sp.	Hong Kong			1	Hawaii.
"Leprosis": *Citrus reticulata* (Mandarin orange)	Mexico	1			Tex.
‡*Leptosphaeria obtusispora* Speg.: *Yucca* sp.	do			1	Tex.
†*Leptosphaeria oryzina* Sacc.: *Oryza sativa* (rice)	Hong Kong, India	1	1		Calif.*
‡*Leptosphaeria protearum* Syd.: *Protea* sp.	Union of South Africa	1		1	Tex., Va.
†*Leptothyrium gentianicola* (DC.) Baeumler: *Gentiana acaulis* (stemless gentian)	France	1			N.J.
†*Lophodermium arundinaceum* (Fr.) Chev.: *Phalaris* sp. (?)	Germany	1			La.
‡*Lophodermium maculare* (Fr.) deN.: *Quercus* sp. (oak)	Mexico		1		Tex.
Macrophoma araucariae De Lac.: *Araucaria excelsa* (Norfolk-Island-pine)	Australia, †Hawaii, †New Zealand, Norfolk Island.			7	Calif.*
†*Macrophoma cocos* Pass.: *Cocos nucifera* (coconut)	British Samoa, Philippines.	16			Calif.*
‡*Macrophoma fraxini* Del.: *Fraxinus excelsior* 'Weeping' (European ash)	England			1	N.J.
†*Macrophoma oleae* (DC.) Berl. & Vogl.: *Olea europaea* (olive)	Mexico	1			Ariz.
‡*Marmor rosae* Holmes: *Rosa* sp.	Guatemala	2			Fla.
‡*Marmor scillearum* Smith & Brierley: *Ornithogalum thyrsoides* (Cape chinkerichee)	Netherlands	1			N.J.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
†*Marssonina fragariae* (Sacc.) Kleb.:					
Fragaria sp. (strawberry)	Japan			1	D.C.
†*Marssonina juglandis* (Lib.) Magn.:					
Juglans sp. (walnut)	Germany	1			Tex.
†*Meliola citricola* Syd.:					
Citrus sinensis (orange)	Hawaii(?)		1		Calif.*
Meloidogyne arenaria (Neal) Chitwood:					
Agapanthus africanus	Argentina			1	Fla.
Alocasia macrorhiza (giant alocasia)	Mexico			1	Tex.
Begonia sp.	do			1	Tex.
Beta vulgaris (beet)	Peru		1		Md.
Bletilla hyacinthina (orchid)	Japan			1	N.Y.
Caladium candidum	Guatemala			2	N.J.
Caladium sp.	Mexico			1	Tex.
Calla sp.	Argentina			1	La.
Clematis sp.	Netherlands			1	N.Y.
Codiaeum sp.	†Hong Kong			1	Calif.*
Colocasia sp.	Guatemala			1	Tex.
Dahlia pinnata (Aztec dahlia)	Japan			1	Wash.
Gentiana septemfida	†England			1	N.Y.
Gladiolus 'Morning Kiss'	Japan			1	Calif.*
Gladiolus sp.	do			1	Calif.*
Hosta spp.	do			1	N.J.
Iris kaempferi (Japanese iris)	do			1	Calif.*
Soil with roots of palm	Mexico			1	Tex.
Solanum tuberosum (potato)	Chile, Peru		2		La., Pa.
Wisteria sp.	†Spain			1	N.Y.
Zantedeschia aethiopica (callalily)	Argentina			1	Fla.
Zingiber sp. (ginger)	Mexico			1	Tex.
Meloidogyne arenaria (Neal) Chitwood(?):					
Gladiolus sp.	Japan			1	Wash.
Meloidogyne arenaria (Neal) Chitwood *thamesi* Chitwood:					
Gladiolus 'Edith Cole'	do			1	Calif.*
Gladiolus 'Elizabeth The Queen'	do			3	Calif.*
Gladiolus 'Firebrand'	do			2	Calif.*
Gladiolus 'Friendship'	do			1	Calif.*
Gladiolus 'Hopman's Glory'	do			1	Calif.*
Gladiolus 'Morning Kiss'	do			1	Calif.*
Gladiolus 'New Japan'	do			1	Calif.*
Gladiolus 'Red Charm'	do			1	Calif.*
Gladiolus 'Snow Princess'	do			2	Calif.*
Gladiolus 'Spic and Span'	do			4	Calif.*
Gladiolus 'Spotlight'	do			3	Calif.*
Gladiolus 'Valeria'	do			4	Calif.*
Gladiolus 'White Gold'	do			1	Calif.*
Gladiolus sp.	do			6	Calif.*
Meloidogyne arenaria (Neal) Chitwood *thamesi* Chitwood(?):					
Agapanthus sp.	†Mexico			1	Fla.
Dahlia 'Clara Cader' and 'Zonnegoud'	Japan			1	N.J.
Meloidogyne hapla Chitwood:					
Aconitum napellus (aconite monkshood)	Netherlands			1	N.Y.
Aconitum sp.	England			2	N.Y.
Ajuga reptans 'Harlequin' (multicolor carpet bugle).	Netherlands			1	N.Y.
Anaphalis triplinervis	do			1	N.Y.
Anemone japonica 'Queen Charlotte' and 'Margarethe'.	do			1	N.J.
Clematis sp.	Canada, Germany, Netherlands.			4	N.Y., Wash.
Dahlia pinnata (Aztec dahlia)	Japan			1	Wash.
Dahlia sp.	do			1	Calif.*
Daucus carota (carrot)	do		1		Wash.
Delphinium sp.	Netherlands			1	N.Y.
Epimedium sp.	Japan			1	N.J.
Gentiana asclepiadea (milkweed gentian)	England			1	N.Y.
G. septemfida lagodechiana	Netherlands			1	N.J.
Geranium endressii	do			1	N.Y.
Helianthus sp.	†New Zealand			1	Calif.*

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Meloidogyne hapla Chitwood—Con.					
Heuchera 'Pruhoniciana' and 'Red Spangles'	England			1	N.J.
Leontopodium sp. (edelweiss)	†Czechoslovakia			1	N.J.
Paeonia spp.	England			1	N.J.
Pyrethrum 'J. N. Twerdy,' 'Mont Blanc,' and 'Princess May.'	do			1	N.J.
Rosa multiflora var. *japonica*	Netherlands			1	N.J.
Rosa sp.	†Spain			2	N.Y.
Scabiosa sp.	England			1	N.Y.
Solanum tuberosum (potato)	†Chile		1		Calif.*
Stachys sp. (betony)	Netherlands			1	N.Y.
Meloidogyne incognita (Kofoid & White) Chitwood:					
Alocasia sp.	Mexico			1	Tex.
Anthurium sp.	†Barbados			1	N.J.
Begonia sp.	Dominican Republic			1	Fla.
Beta vulgaris (beet)	Mexico	4			Tex.
Dahlia sp.	Japan			1	Calif.*
Dioscorea sp. (yam)	†Honduras	1			N.Y.
Dracaena sp.	Mexico			1	Tex.
Excoecaria crenulata	Japan			1	D.C.
Gladiolus 'Firebrand'	do			2	Calif.*
Gladiolus 'Purple Supreme'	do			1	Calif.*
Gladiolus 'Snow Princess'	do			2	Calif.*
Gladiolus 'Spic and Span'	do			2	Calif.*
Gladiolus sp.	do			1	Calif.*
Lilium sp. (?)	Mexico			1	Calif.
Maranta sp. (arrowroot)	do			1	Tex.
Raphanus sativus (radish)	do	1			Tex.
Soil with root	Trinidad			1	P.R.
Solanum bulbocastanum	Mexico			1	D.C.
S. tuberosum (potato)	Argentina		1		Tex.
Zantedeschia aethiopica (callalily)	Germany			1	N.J.
Meloidogyne incognita (Kofoid & White) Chitwood *acrita* Chitwood.					
Agapanthus africanus	Japan			2	N.J.
Alocasia sp.	Mexico			1	Tex.
Aralia sp.	do			1	Tex.
Astilbe 'Koblenz' and 'Red Sentinel'	†Netherlands			1	N.J.
Beloperone sp.	†Hong Kong			1	Calif.*
Beta vulgaris (beet)	†Ceylon, France, Italy, Mexico.	1	3		Mass., N.Y., Tex.
Cactus	†Netherlands			1	N.J.
Cichorium intybus (escarole)	French West Africa		1		Mass.
Dioscorea sp. (yam)	Japan		1		Pa.
Dracaena sp.	Mexico			1	Tex.
Epimedium pinnatum	England			1	N.J.
Episcia sp.	†Hong Kong			1	Calif.*
Gerbera sp.	Trinidad			1	Fla.
Gladiolus 'Snow Princess'	Japan			1	Calif.*
Gladiolus 'Spic and Span'	do			1	Calif.*
Heliconia sp.	Cuba			1	Fla.
Hosta spp.	Japan			1	N.J.
Lactuca sativa (lettuce)	French West Africa		1		Mass.
Salix babylonica (Babylon weeping willow)	Brazil			1	D.C.
Sansevieria trifasciata var. *laurentii* (Congo snake sansevieria).	Mexico			1	Tex.
Soil with *Vitis* sp. (grape)	do			1	Tex.
Solanum tuberosum (potato)	†Argentina, Brazil, Chile, Cuba, Egypt, Mexico, †Spain.	1	10		La., N.Y., Pa., Tex.
Vinca sp.	England			1	N.Y.
Zingiber officinale (ginger)	Canal Zone			1	Fla.
Meloidogyne javanica (Treub.) Chitwood:					
Agapanthus africanus	†Argentina			1	Fla.
Arum sp.	Cuba	1			N.Y.
Beta vulgaris (beet)	Australia, Union of South Africa.		3		La., Mass., Pa.
Brassica rapa (turnip)	Mexico	1			Tex.
Cichorium intybus (chicory)	French West Africa		1		Mass.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Meloidogyne javanica (Treub.) Chitwood—Con.					
Colocasia esculenta (dasheen)	Cuba		2		La.
Colocasia sp.	do	1			N.Y.
Dahlia 'Sister Kenny'	Australia			1	Calif.*
Dahlia sp.	Australia, Japan, Union of South Africa.			4	Calif.,* Wash.
Daucus carota (carrot)	Japan		1		Calif.*
Dioscorea sp. (yam)	Puerto Rico	1			P.R.
Freesia sp.	Italy			1	N.Y.
Gerbera sp.	India, †Trinidad, Union of South Africa.			3	Fla., N.Y.
Gladiolus 'Leewuenhorst'	Israel			1	N.Y.
Hydrosme rivieri (devilstongue)	India			1	Fla.
Jasminum sp.	†Algeria, Hong Kong			2	Calif.,* N.J.
Phajus sp.	Brazil			1	Fla.
Polianthes tuberosa (tuberose)	Italy			1	N.Y.
Polianthes sp.	India			1	Calif.*
Scilla kraussii	Union of South Africa			1	N.J.
Solanum tuberosum (potato)	Italy		1		N.Y.
Xanthosoma sagittaefolium (yautia malanga)	Puerto Rico	1			P.R.
Zingiber sp. (ginger)	†New Guinea			1	Calif.*
Zingiberaceae	†Colombia			1	Tex.
†*Micropeltis bakeri* (Syd.) Cash & Watson: *Epidendrum strobelii* (orchid)	Ecuador			1	Calif.*
Monilinia fructigena (Aderh. & Ruhl.) Honey: *Malus sylvestris* (apple)	Italy	1			N.Y.
†*Mycosphaerella cattleyae* Cash & Watson: *Cattleya* sp. (orchid)	British Honduras			1	Fla.
†*Mycosphaerella fragariae* (Tul.) Lindau: *Fragaria* sp. (strawberry)	Belgium			1	Ill.
Mycosphaerella hondai I. Miyake: *Oryza sativa* (rice)	Japan		2		Calif.*
†*Mycosphaerella oryzae* (Catt.) I. Miyake: *Oryza sativa* (rice)	do		3		Calif.*
Mycosphaerella schoenoprasi (Rab.) Schroet.: *Allium fistulosum* (Welsh onion)	do		8		Pa.
A. porrum (leek)	do		7		Calif.*
‡*Nematospora coryli* Pegl.: *Phaseolus* sp.	Peru	1			D.C.
†*Neocosmospora vasinfecta* E. F. Sm.: *Arachis hypogaea* (peanut)	Paraguay			1	D.C.
Neovossia horrida (Tak.) Padw. & A. Khan: *Oryza sativa* (rice)	Japan		23		Calif.*
†*Nigrospora oryzae* (Berk. & Br.) Petch: *Oryza sativa* (rice)	do		109		Calif.*
Nigrospora sphaerica (Sacc.) Mason: *Oryza sativa* (rice)	†Hong Kong	1			Calif.*
Triticum aestivum (wheat)	Japan		2		Calif.*
Triticum sp.	do		5		Calif.*
‡*Oligostroma protea* Syd.: *Protea* sp.	Union of South Africa	1			N.Y.
Oospora pustulans Owen & Wakef.: *Solanum tuberosum* (potato)	Denmark, Sweden		1	1	N.Y., Ohio.
†*Papularia sphaerosperma* (Lk.) Hochn.: Bambuseae	Okinawa			1	Hawaii.
†*Papulaspora parasitica* (Eidam) Harz: *Armoracia rusticana* (horseradish)	Denmark		1		Calif.*
†*Pestalotia bromelicola* Speg.: Bromeliad	Mexico			1	Tex.
†*Pestalotia cycadis* Allesch.: Cycad	Japan			1	Fla.
Phlyctaena vagabunda Desm.: *Malus sylvestris* (apple)	Italy		1		Pa.
Phoma citricarpa McAlp.: *Citrus aurantifolia* (lime)	Australia, Japan		2		Calif.,* Hawaii.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Phoma citricarpa McAlp.—Continued					
C. limon (lemon)	Australia, Mozambique, Union of South Africa, unknown.		27		Calif.,* Hawaii, Md., Mass., Pa.
C. paradisi (grapefruit)	Japan, Union of South Africa.		3		Calif.,* N.Y.
C. reticulata (Mandarin orange)	China, Formosa, Hong Kong, India(?), Japan, †Okinawa, Philippines.	33	7		Calif.,* Hawaii, N.Y.
C. reticulata unshiu (Satsuma orange)	China	1			Wash.
C. sinensis (orange)	Africa (country(?)), †Argentina, Australia, Brazil, China, †Eniwetok, Federation of Malaya, Formosa, Hong Kong, Japan, Mozambique, Okinawa, Philippines, Singapore, Union of South Africa, unknown, †Vietnam(?).	41	81		Ala., Calif.,* Hawaii, Ill., La., Md., Mass., N.J., N.Y., Ohio, Pa., P.R., S.C., Tex.
Citrus sp.	Hong Kong, Japan, unknown.	34	1		D.C., Fla., Hawaii, Ill., Mass., Tex.
‡*Phoma importata* (Nits.) Sacc.: *Lycium* sp.	Argentina	1			N.Y.
†*Phoma insidiosa* Tassi: *Sorghum vulgare* (sorghum)	Tanganyika			1	Ill.
Phoma japonica Sacc.: *Kerria japonica*	Netherlands			1	N.J.
‡*Phoma oryzae* Cke. & Mass.: *Oryza sativa* (rice)	Japan		2		Calif.*
‡*Phomopsis camelliae* F. Tassi: *Camellia japonica* (camellia)	do			1	Fla.
Phomopsis cinerescens (Sacc.) Trav.(?): *Ficus elastica* 'Decora'	Mexico			1	Tex.
†*Phomopsis euphorbiae* (Sacc.) Trav.: *Codiaeum* sp.	Hawaii		1		Calif.*
‡*Phomopsis heveae* (Petch) Boed.: *Hevea* sp. (rubbertree)	Federation of Malaya			1	Fla.
Phomopsis pustulata Died.: *Acer cissifolium*	Netherlands			1	N.Y.
‡*Phyllachora shiraiana* Syd.: Bamboo	Japan	1			Hawaii.
‡*Phyllosticta andromedae* Westd.: *Pieris japonica*	Netherlands			1	N.Y.
‡*Phyllosticta congesta* Heald & Wolf: *Prunus domestica* (plum)	Mexico	1			Tex.
†*Phyllosticta decidua* Ell. & Kell.(?): *Mentha* sp. (mint)	do			1	Ill.
†*Phyllosticta fragaricola* Desm. & Rob.: *Fragaria* sp. (strawberry)	Czechoslovakia			1	N.J.
†*Phyllosticta hederacea* (Arc.) Allesch.: *Hedera helix* 'Hibernica' (Irish ivy)	Netherlands			1	N.J.
‡*Phyllosticta innumerabilis* Pk.: *Amelanchier* sp. (serviceberry)	Canada			1	N.J.
‡*Phyllostictina psidiicola* Petr.: *Psidium guajava* (guava)	Philippines	1			Hawaii.
Phytophthora mexicana Hotson & Hartge(?): *Lycopersicon esculentum* (tomato)	Mexico	1			Tex.
†*Pleospora herbarum* (Fr.) Rab.: *Allium* sp.	Turkey			1	N.Y.
Citrus sinensis (orange)	Lebanon		1		Pa.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Pratylenchus brachyurus (Godfrey) Goodey:					
Soil with roots of miscellaneous plants	†British Honduras			1	Fla.
Solanum tuberosum (potato)	Brazil		1		N.Y.
‡*Pratylenchus coffeae* (Zimmermann) Goodey:					
Dahlia sp.	Union of South Africa			2	N.J.
‡*Pratylenchus convallariae* Seinhorst:					
Convallaria majalis (lily-of-the-valley)	Denmark, England			3	Calif.,* N.Y.
Pratylenchus penetrans (Cobb) Sher & Allen:					
Chrysanthemum sp.	†England, †France			2	N.Y.
Clematis sp.	Netherlands			2	N.Y.
Dahlia 'Beryc Jean,' 'Bonythorn,' 'Empire Sport,' and 'Jan.'	†Australia			1	N.J.
Dahlia 'Mullers Dream'	†Union of South Africa			1	N.J.
Dahlia sp.	do			1	N.Y.
Delphinium sp.	Netherlands			1	N.Y.
Mentha sp. (mint)	†Germany			1	N.Y.
Phlox sp.	Netherlands			1	N.Y.
Soil with *Begonia* sp.	Azores			1	Mass.
Soil with *Chrysanthemum* sp.	Germany			1	Md.
Pratylenchus pratensis (de Man) Filip.:					
Dahlia sp.	†Canada			1	Mass.
Plants—unidentified	Mexico			1	Tex.
Soil with *Gardenia augusta*	do			1	Tex.
Pseudomonas marginalis (N. A. Brown) F. L. Stevens:					
Cichorium endivia (endive)	Belgium	1			N.Y.
†*Pseudopeziza medicaginis* (Lib.) Sacc.:					
Medicago sativa (alfalfa)	Chile	1			Fla.
Psilenchus hilarulus de Man:					
Soil with *Asparagus plumosus* (fern asparagus)	Mexico			1	Ariz.
Soil with cactus	do			1	Tex.
Soil with plants	do			2	Tex.
†*Puccinia antirrhini* Diet. & Holw.:					
Antirrhinum majus (snapdragon)	Israel	1			N.Y.
†*Puccinia arachidis* Speg.:					
Arachis hypogaea (peanut)	Paraguay			3	D.C.
Puccinia arenariae (Schum.) Wint.:					
Dianthus barbatus (Sweetwilliam)	England, Netherlands.	1		1	Mass., N.Y.
‡*Puccinia carthami* Cda.:					
Carthamus tinctorius (safflower)	Portugal			1	D.C.
†*Puccinia cynodontis* Desm.:					
Cynodon 'Skaaplaas'	Union of South Africa			1	N.J.
Puccinia horiana P. Henn.:					
Chrysanthemum morifolium	Japan	2			Hawaii, Wash.
Chrysanthemum sp.	†Australia, Japan	18	13		Hawaii, Wash.
†*Puccinia iridis* Rab.:					
Iris foetidissima (Gladwin iris)	Netherlands			1	N.J.
‡*Puccinia laguri* Jaap:					
Lagurus ovatus (grass)	Spain	1			Pa.
‡*Puccinia psidii* Wint.:					
Pimenta sp., probably *P. officinalis*	Jamaica	1			Fla.
Puccinia striiformis West.:					
Bromus sp. (brome)	Afghanistan			1	D.C.
Triticum sp.	Japan	1			Hawaii.
†*Puccinia thaliae* Diet.:					
Canna sp.	British Guinea			1	Fla.
Puccinia urbaniana P. Henn.:					
Stachytarpheta jamaicensis	Puerto Rico	1			Ill.
†*Puccinia violae* (Schum.) DC.:					
Viola 'Mrs. Chichester' and 'Mrs. Gordon'	Scotland			1	N.J.
‡*Radopholus similis* (Cobb) Thorne:					
Musa rosacea (India banana)	Hawaii			1	Calif.*
†*Radopholus similis* (Cobb) Thorne(?):					
Soil with miscellaneous plant roots	Panama			1	Fla.
‡*Ramularia celastri* Ell. & G. Martin:					
Celastrus sp. (bittersweet)	Canada	1			Mich.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
†*Ramularia primulae* Thuem.:					
Primula sp. (primrose)	Germany			1	Mich.
†*Ramularia tulasnei* Sacc.:					
Fragaria sp. (strawberry)	Italy			1	N.Y.
‡*Ravenelia leucaenae* Long:					
Leucaena glauca	Mexico	1			Tex.
Ravenelia papillifera Syd.:					
Cassia lindheimeriana	do	1			Ariz.
‡*Rhizoctonia microsclerotia* Matz(?):					
Ornithogalum thyrsoides (Cape chinkerichee)	Netherlands			1	N.Y.
Ring spot virus:					
Citrullus vulgaris (watermelon)	Mexico	1			Ariz.
Rotylenchus robustus (de Man) Filip.:					
Apium graveolens (celery)	†France, Germany		2		Calif.,* Md.
Soil with *Mentha* sp. (mint)	England			1	Mass.
Soil with *Thuja* sp. (arborvitae)	†Azores			1	Mass.
†*Scirrhia rimosa* (Alb. & Schw.) Fckl.:					
Phragmites sp. (reed)	Germany	1			Ala.
Scutellonema brachyurum (Steiner) Andrassy:					
Sansevieria sp.	Mexico			1	Tex.
Soil with *Begonia* sp. and fern	do			1	Tex.
Soil with *Begonia* sp., *Dianthus caryophyllus*, and *Rosa* sp.	Azores			1	Mass.
Soil with *Gardenia augusta*	Mexico			2	Tex.
Soil with *Gloxinia* sp.	do			1	Tex.
Soil with *Lilium* sp.	do			1	Tex.
Soil with plants	do			2	Tex.
Scutellonema bradys (Steiner & LeHew) Andrassy:					
Dioscorea sp. (yam)	Cuba, Trinidad	2			Fla., N.Y.
Soil with *Dioscorea* sp.	†Dominican Republic	1			N.Y.
‡*Septobasidium lepidosaphis* Couch:					
With *Lepidosaphes beckii* on *Citrus reticulata* var. (King orange).	Cuba		1		La.
‡*Septocylindrium candidum* F. Arg.:					
Rosa sp.	Europe (country(?))		1		N.Y.
†*Septoria aciculosa* Ell. & Ev.:					
Fragaria sp. (strawberry)	Czechoslovakia			1	N.J.
†*Septoria aciculosa* Ell. & Ev.(?):					
Fragaria sp. (strawberry)	Germany			1	N.Y.
Septoria azaleae Vogl.:					
Rhododendron 'Mother's Day' (azalea)	Netherlands			1	N.J.
R. vuykianum (azalea)	do			1	N.Y.
Rhododendron sp. (azalea)	do			3	N.J., N.Y.
Septoria carrubi Pass.:					
Laurus nobilis (Grecian laurel)	Mexico	1			Tex.
Septoria citri Pass.:					
Citrus limon (lemon)	†Curacao, Italy, Spain.		5		Calif.,* N.Y., S.C., Tex.
C. reticulata (Mandarin orange)	Unknown		1		Calif.*
C. sinensis (orange)	Cyprus, Mexico	2	1		Ariz., Calif.*
‡*Septoria cucurbitacearum* Sacc.:					
Sechium edule (chayote)	Mexico	1			Tex.
Septoria depressa McAlp.:					
Citrus limon (lemon)	Australia		2		Hawaii, N.Y.
†*Septoria nodorum* Berk.:					
Hordeum vulgare (barley)	Italy	1			Calif.*
Septoria oryzae Catt.:					
Oryza sativa (rice)	Japan		12		Calif.*
†*Septoria pisi* West.:					
Pisum sativum (pea)	Italy, Mozambique		2		N.Y., Pa.
‡*Septoria santonensis* (Pass.) Bub.(?):					
Salix sp. (willow)	Mexico	1			Ariz.
†*Septoria selenophomoides* Cash & Watson:					
Orchid	Ecuador			1	Calif.*
‡*Septoria tosevi* Bub.:					
Gentiana acaulis (stemless gentian)	France			1	N.J.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Sphaceloma fawcettii Bitanc. & Jenkins var. *scabiosa* (McAlp. & Tryon) Jenkins:					
Citrus aurantifolia (lime)	Australia	----	2	----	Hawaii.
C. limon (lemon)	Australia	----	19	----	Hawaii.
Sphaceloma punicae Bitanc. & Jenkins:					
Punica granatum (pomegranate)	Mexico	3	----	----	Tex.
‡*Sphaerulina taxicola* (Pk.) Berl.:					
Taxus cuspidata (Japanese yew)	Sweden	----	----	1	N.J.
Sphenospora kevorkianii Linder:					
Epidendrum sp. (orchid)	†Bahamas, †Honduras	----	----	2	Fla.
Ionopsis utricularioides	Jamaica	----	----	1	Fla.
Oncidium pulchellum (orchid)	Dominican Republic	----	----	1	Fla.
Sphenospora mera Cummins:					
Oncidium sp. (orchid)	Ecuador	----	----	1	Calif.*
Orchid	do	----	----	1	Calif.*
Stagonospora macrospora (Dur. & Mont.) Sacc.:					
Yucca sp.	Mexico	1	----	----	Ariz.
Stomatogene agaves (Ell. & Ev.) Th.:					
Yucca sp.	Mexico	1	----	----	Ariz.
Thecopsora areolata (Fr.) Magn.:					
Picea abies (Norway spruce)	Austria, †France	----	----	2	N.J.
Tylenchorhynchus capitatus M. W. Allen:					
Soil with *Allium cepa* (onion)	Mexico	----	----	1	Tex.
Soil with *Crinum* sp. and *Strelitzia* sp.	do	----	----	1	Fla.
Soil with *Portulaca* sp.	do	----	----	1	Tex.
†*Tylenchorhynchus dubius* (Bütschli) Filip.:					
Begonia sp.	Belgium	----	----	1	Mass.
Soil with *Daucus carota* (carrot)	Netherlands	----	1	----	Md.
Soil with miscellaneous plants	Italy	----	----	2	Mass.
‡*Tylenchorhynchus leptus* M. W. Allen:					
Soil with *Artemisia dracunculus* (tarragon)	France	----	----	1	Mass.
Soil with *Juniperus* sp. and *Sorbus* sp.	Finland	----	----	1	Mass.
‡*Tylenchorhynchus nothus* M. W. Allen:					
Soil with *Armoracia rusticana* (horseradish)	Denmark	----	1	----	Md.
Tylenchulus semipenetrans Cobb:					
Citrus sinensis (orange)	Italy	----	----	1	N.Y.
Tylenchus davainei Bastian:					
Soil with *Rhododendron* sp. (azalea)	Germany	----	----	1	Mass.
Soil with *Setaria* sp.	†France	----	----	1	Mass.
‡*Tylenchus thornei* Andrassy:					
Soil with plant	Mexico	----	----	1	Tex.
Uredo behnickiana P. Henn.:					
Epidendrum sp. (orchid)	do	----	----	1	Tex.
Laelia anceps (orchid)	do	----	----	3	Tex.
Laelia sp.	Jamaica	----	----	1	Fla.
Oncidium flexuosum (orchid)	Brazil	----	----	1	Fla.
O. varicosum	do	----	----	1	Fla.
Orchid	Costa Rica	----	----	2	Calif.,* Fla.
Phajus grandifolius (orchid)	†Cuba	----	----	1	Fla.
Uredo epidendri P. Henn.:					
Diacrium bilamellatum (orchid)	Canal Zone	----	----	1	Fla.
Diacrium sp.	Ecuador	----	----	1	Fla.
Epidendrum myrianthum (orchid)	Costa Rica	----	----	1	Calif.*
Epidendrum sp.	British Honduras, Ecuador.	----	----	2	Calif.,* Fla.
Oncidium pusillum (orchid)	Ecuador	----	----	1	Fla.
Oncidium sp.	Honduras	----	----	1	Fla.
Orchid	Costa Rica, Ecuador, †Haiti.	----	----	3	Calif.,* Fla.
Uredo guacae Mayor:					
Cattleya sp. (orchid)	Ecuador	----	----	1	N.Y.
Epidendrum sp. (orchid)	Bolivia, Mexico	----	----	2	Fla., Tex.
Lockhartia sp. (orchid)	Panama	----	----	1	Fla.
Maxillaria sp.(?) (orchid)	Cuba	----	----	1	Fla.
Odontoglossum pulchellum (orchid)	Panama	----	----	1	Fla.
Orchid	Canal Zone	----	----	1	Fla.
Zygopetalum burtii (orchid)	Costa Rica	----	----	1	Fla.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
†*Uredo gynandrearum* Cda.:					
Mormodes sp. (orchid)	Costa Rica			1	Fla.
†*Uredo ignava* Arth.:					
Bambusa sp. (bamboo)	Formosa	2			Calif.*
Urego nigropuncta P. Henn.:					
Bletia sp. (orchid)	Bahamas			2	Fla.
Epidendrum sp. (orchid)	do			1	Fla.
Oncidium sp. (orchid)	Jamaica			1	Fla.
Orchid	Guatemala			1	Fla.
Uredo oncidii P. Henn.:					
Epidendrum sp.(?) (orchid)	†Nicaragua			1	Fla.
Oncidium cavendishianum (orchid)	Mexico			1	Tex.
O. splendidum	Honduras			1	Fla.
O. stramineum	Mexico			1	Fla.
Oncidium sp.	Costa Rica, El Salvador, Guatemala, †Venezuela.			6	Fla.
Uredo oncidii P. Henn.(?):					
Oncidium pusillum (orchid)	Canal Zone			2	Fla.
Uromyces alyxiae Arth.:					
Alyxia olivaeformis (maile alyxia)	Hawaii	2			Hawaii.
†*Uromyces commelinae* Cke.:					
Zebrina pendula	Jamaica			1	Fla.
Uromyces fabae (Grev.) Cke.:					
Lens culinaris (lentil)	†Chile	6			Calif.,* Oreg., Wash.
Vicia faba (broadbean)	Italy		1		N.Y.
†*Uromyces hedysari-paniculati* (Schw.) Farl.:					
Desmodium scorpiurus	Jamaica			1	D.C.
Uromyces lespedezae-procumbentis (Schw.) Curt.:					
Lespedeza thunbergii	Japan			1	Calif.*
†*Uromyces limonii* (DC.) Lév.:					
Limonium sp.	Italy	1			N.Y.
Uromyces striatus Schroet.:					
Medicago sativa (alfalfa)	Argentina(?), Mexico, Peru.	3			Calif., Fla.
†*Uromyces trifolii* (DC.) Lév.:					
Trifolium resupinatum (Persian clover)	Iraq			1	D.C.
Ustilago coicis Bref.:					
Coix lacryma-jobi (Jobs-tears)	Philippines	1			Wash.
Venturia rhododendri Tengwall:					
Rhododendron hybrid	Netherlands			1	N.Y.
Xanthomonas citri (Hasse) Dowson:					
Citrus aurantifolia (lime)	Ceylon, Hong Kong, India, Japan, Philippines.	2	3		Hawaii, N.Y., Pa.
C. aurantifolia (sour lime)	Ceylon, India		3		Mass., Pa.
C. aurantium (sour orange)	Japan		17		Calif.,* Pa.
C. limon (lemon)	China, Japan, unknown.		11		Calif.,* Md. Mass., N.Y., Pa., Tex.
C. paradisi (grapefruit)	Japan	1	3		Calif.,* Pa., Wash.
C. reticulata (Mandarin orange)	China, Japan	1	1		Calif.*
C. sinensis (orange)	China, Japan	3	35		Calif.,* Hawaii, Md., N.Y., Pa.
Citrus sp.	Hong Kong, Japan	2	1		Ill., Md.
Xanthomonas sp. (Cancrosis B):					
Citrus aurantifolia (lime)	†Uruguay		1		Fla.
C. limon (lemon)	Argentina, Brazil		10		Calif.,* N.Y., Pa., Tex.

See footnotes at end of this list.

Pests Collected and Reported From July 1, 1958, Through June 30, 1959—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Non-entry	Propagation	
Xiphinema americanum Cobb:					
Soil with *Beaucarnea* sp.	†Mexico	----	----	1	Tex.
Soil with *Ulmus* sp. (elm)	do	----	----	1	Tex.
Soil with tractor	do	1	----	----	Tex.
‡*Zygophiala jamaicensis* Mason:					
Malus sylvestris (apple)	do	1	----	----	Tex.
‡*Zythia fragariae* Laibach:					
Fragaria sp. (strawberry)	Czechoslovakia, Germany.	----	----	2	N.J., N.Y.

An asterisk (*) indicates State inspection.
A dagger (†) indicates a first interception from the country named.
A double dagger (‡) indicates a first interception by Division inspectors.

Hosts and Diseases

ACER:
Phomopsis pustulata (Deuteromycetes)
ACONITUM:
Meloidogyne hapla (Nematoda)
AGAPANTHUS:
Meloidogyne arenaria (Nematoda)
†*M. arenaria thamesi*(?) (Nematoda)
M. incognita acrita (Nematoda)
†*M. javanica* (Nematoda)
AGAVE:
Coniothryium globulisporum (Deuteromycetes)
AJUGA:
Meloidogyne hapla (Nematoda)
ALLIUM FISTULOSUM:
Mycosphaerella schoenoprasi (Ascomycetes)
ALLIUM PORRUM:
†*Alternaria porri* (Deuteromycetes)
Mycosphaerella schoenoprasi (Ascomycetes)
ALLIUM SATIVUM:
Ditylenchus dipsaci (Nematoda)
ALLIUM SP.:
†*Pleospora herbarum* (Ascomycetes)
ALOCASIA:
Meloidogyne arenaria (Nematoda)
M. incognita (Nematoda)
M. incognita acrita (Nematoda)
ALYXIA:
Uromyces alyxiae (Promycetes)
AMELANCHIER:
†*Entomosporium maculatum* (Deuteromycetes)
‡*Phyllosticta innumerabilis* (Deuteromycetes)
ANAPHALIS:
Meloidogyne hapla (Nematoda)
ANEMONE:
Meloid'gyne hapla (Nematoda)
ANTIRRHINUM:
†*Puccinia antirrhini* (Promycetes)
ANTHURIUM:
†*Meloidogyne incognita* (Nematoda)
APIUM:
†*Gottholdsteineria goodeyi* (Nematoda)
†*Rotylenchus robustus* (Nematoda)
ARACHIS:
†*Neocosmospora vasinfecta* (Ascomycetes)
†*Puccinia arachidis* (Promycetes)
ARALIA:
Meloidogyne incognita acrita (Nematoda)
ARAUCARIA:
†*Macrophoma araucariae* (Deuteromycetes)
ARMORACIA:
†*Papulaspora parasitica* (Deuteromycetes)
ARRHENATHERUM:
†*Cladosporium graminum* (Deuteromycetes)
ARUM:
Meloidogyne javanica (Nematoda)
ASTILBE:
†*Meloidogyne incognita acrita* (Nematoda)
AUCUBA:
‡*Coniothyrium aucubae* (Deuteromycetes)
AXONOPUS:
Criconemoides mutabile (Nematoda)
BAMBOO:
‡*Phyllachora shiraiana* (Ascomycetes)
BAMBUSA:
‡*Heteropatella setulosa* (Deuteromycetes)
†*Uredo ignava* (Promycetes)
BAMBUSEAE:
†*Papularia sphaerosperma* (Deuteromycetes)
BARRINGTONIA:
‡*Diplodia barringtoniae* (Deuteromycetes)
BEAUCARNEA:
‡*Gibbera compacta*(?) (Ascomycetes)
BEGONIA:
Meloidogyne arenaria (Nematoda)
M. incognita (Nematoda)
†*Tylenchorhynchus dubius* (Nematoda)
BELOPERONE:
†*Meloidogyne incognita acrita* (Nematoda)
BETA:
†*Helicotylenchus nannus* (Nematoda)
Meloidogyne arenaria (Nematoda)
M. incognita (Nematoda)
†*M. incognita acrita* (Nematoda)
M. javanica (Nematoda)
BLETIA:
Uredo nigropuncta (Promycetes)
BLETILLA:
Aphelenchoides fragariae (Nematoda)
Meloidogyne arenaria (Nematoda)
BOERHAAVIA:
†*Albugo platensis* (Phycomycetes)
BRASSICA RAPA:
Meloidogyne javanica (Nematoda)
BROMELIAD:
†*Pestalotia bromeliicola* (Deuteromycetes)
BROMUS:
Puccinia striiformis (Promycetes)
CACTUS:
Helicotylenchus nannus (Nematoda)
†*Meloidogyne incognita acrita* (Nematoda)
CALADIUM:
Meloidogyne arenaria (Nematoda)
CALLA:
Meloidogyne arenaria (Nematoda)
CAMELLIA:
‡*Phomopsis camelliae* (Deuteromycetes)
CANNA:
†*Puccinia thaliae* (Promycetes)
CARTHAMUS:
‡*Puccinia carthami* (Promycetes)
CASSIA:
Ravenelia papillifera (Promycetes)
CATTLEYA:
†*Mycosphaerella cattleyae* (Ascomycetes)
Uredo guacae (Promycetes)
CELASTRUS:
‡*Ramularia celastri* (Deuteromycetes)
CHAMAEDOREA:
Corynespora cassiicola (Deuteromycetes)
†*Curvularia geniculata* group (Deuteromycetes)
CHRYSANTHEMUM:
†*Pratylenchus penetrans* (Nematoda)
†*Puccinia horiana* (Promycetes)
CICHORIUM:
Meloidogyne incognita acrita (Nematoda)
M. javanica (Nematoda)
Pseudomonas marginalis (Schizomycetes)
CITRULLUS:
Ring spot virus
CITRUS AURANTIFOLIA:
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
Sphaceloma fawcettii var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
†*Xanthomonas* sp. (Cancrosis B) (Schizomycetes)
CITRUS AURANTIUM:
Xanthomonas citri (Schizomycetes)
CITRUS LIMON:
†*Coniothecium citri*(?) (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Phoma citricarpa (Deuteromycetes)
†*Septoria citri* (Deuteromycetes)
S. depressa (Deuteromycetes)
†*Sphaceloma fawcettii* var. *scabiosa* (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
Xanthomonas sp. (Cancrosis B) (Schizomycetes)
CITRUS PARADISI:
†*Hendersonia citri* (Deuteromycetes)
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS PARADISI X C. RETICULATA:
†*Coniothecium scabrum* (Deuteromycetes)
CITRUS RETICULATA:
Elsinoe australis (Ascomycetes)
"Leprosis"
†*Phoma citricarpa* (Deuteromycetes)
Septoria citri (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CITRUS RETICULATA UNSHIU:
Phoma citricarpa (Deuteromycetes)

See footnotes at end of this list.

Hosts and Diseases—Continued

CITRUS SINENSIS:
†*Coniothecium scabrum* (Deuteromycetes)
Elsinoe australis (Ascomycetes)
Erwinia citrimaculans (?) (Schizomycetes)
"Greasy spot"
‡*Hendersonia socia* (Deuteromycetes)
†*Meliola citricola* (Ascomycetes)
†*Phoma citricarpa* (Deuteromycetes)
†*Pleospora herbarum* (Ascomycetes)
Septoria citri (Deuteromycetes)
Tylenchulus semipenetrans (Nematoda)
Xanthomonas citri (Schizomycetes)
CITRUS SP.:
"Greasy spot"
Phoma citricarpa (Deuteromycetes)
Xanthomonas citri (Schizomycetes)
CLEMATIS:
Meloidogyne arenaria (Nematoda)
M. hapla (Nematoda)
Pratylenchus penetrans (Nematoda)
COCOS:
†*Cy ospora palmicola* (Deuteromycetes)
†*Diplodia coccocarpa* (Deuteromycetes)
†*Eutypella cocos* (Ascomycetes)
†*Macrophoma cocos* (Deuteromycetes)
CODIAEUM:
†*Meloidogyne arenaria* (Nematoda)
†*Phomopsis euphorbiae* (Deuteromycetes)
COFFEA:
†*Cercospora coffeicola* (Deuteromycetes)
COIX:
Ustilago coicis (Promycetes)
COLOCASIA:
Meloidogyne arenaria (Nematoda)
M. javanica (Nematoda)
CONVALLARIA:
‡*Pratylenchus convallariae* (Nematoda))
CYCAD:
†*Pestalotia cycadis* (Deuteromycetes)
CYNODON:
†*Puccinia cynodontis* (Promycetes)
DAHLIA:
Aphelenchoides fragariae (Nematoda)
‡*Cercospora grandissima* (Deuteromycetes)
‡*Corynebacterium fascians* (Schizomycetes)
†*Ditylenchus destructor* (Nematoda)
Meloidogyne arenaria (Nematoda)
M. arenaria thamesi(?) (Nematoda)
M. hapla (Nematoda)
M. incognita (Nematoda)
M. javanica (Nematoda)
‡*Pratylenchus coffeae* (Nematoda)
†*P. penetrans* (Nematoda)
†*P. pratensis* (Nematoda)
DAUCUS:
Meloidogyne hapla (Nematoda)
M. javanica (Nematoda)
DELPHINIUM:
Meloidogyne hapla (Nematoda)
Pratylenchus penetrans (Nematoda)
DESMODIUM:
†*Uromyces hedysari-paniculati* (Promycetes)
DIACRIUM:
Uredo epidendri (Promycetes)
DIANTHUS:
Alternaria dianthi (Deuteromycetes)
Puccinia arenariae (Promycetes)
DIOSCOREA:
†*Meloidogyne incognita* (Nematoda)
M. incognita acrita (Nematoda)
M. javanica (Nematoda)
Scutellonema bradys (Nematoda)
DRACAENA:
Meloidogyne incognita (Nematoda)
M. incognita acrita (Nematoda)
EPIDENDRUM:
‡*Asterina raripoda*(?) (Ascomycetes)
†*Micropeltis bakeri* (Ascomycetes)
†*Sphenospora kevorkianii* (Promycetes)
Uredo behnickiana (Promycetes)
U. epidendri (Promycetes)
U. guacae (Promycetes)
U. nigropuncta (Promycetes)

EPIDENDRUM(?):
†*Uredo oncidii* (Promycetes)
EPIMEDIUM:
Meloidogyne hapla (Nematoda)
M. incognita acrita (Nematoda)
EPISCIA:
†*Meloidogyne incognita acrita* (Nematoda)
ERIOBOTRYA:
†*Fusicladium eriobotryae* (Deuteromycetes)
EUPHORIA:
‡*Hypoxylon mediterraneum* (Ascomycetes)
EXOCOECARIA:
Meloidogyne incognita (Nematoda)
FICUS:
Phomopsis cinerescens (?) (Deuteromycetes)
FRAGARIA:
†*Dendrophoma obscurans* (Deuteromycetes)
†*Discohainesia oenotherae* (Ascomycetes)
†*Marssonina fragariae* (Deuteromycetes)
†*Mycosphaerella fragariae* (Ascomycetes)
†*Phyllosticta fragaricola* (Deuteromycetes)
†*Ramularia tulasnei* (Deuteromycetes)
†*Septoria aciculosa* (Deuteromycetes)
‡*Zythia fragariae* (Deuteromycetes)
FRAXINUS:
‡*Macrophoma frazini* (Deuteromycetes)
FREESIA:
Meloidogyne javanica (Nematoda)
GENTIANA:
†*Leptothyrium gentianicola* (Deuteromycetes)
†*Meloidogyne arenaria* (Nematoda)
M. hapla (Nematoda)
‡*Septoria tosevi* (Deuteromycetes)
GERANIUM:
Meloidogyne hapla (Nematoda)
GERBERA:
Meloidogyne incognita acrita (Nematoda)
†*M. javanica* (Nematoda)
GLADIOLUS:
Curv laria lunata (Deuteromycetes)
Meloidogyne arenaria (Nematoda)
M. arenaria thamesi (Nematoda)
M. incognita (Nematoda)
M. incognita acrita (Nematoda)
M. javanica (Nematoda)
HEDERA:
‡*Cryptocline paradoxa* (Deuteromycetes)
†*Phyllosticta hederacea* (Deuteromycetes)
HELIANTHUS:
†*Meloidogyne hapla* (Nematoda)
HELICONIA:
Meloidogyne incognita acrita (Nematoda)
HEUCHERA:
Aphelenchoides fragariae (Nematoda)
Meloidogyne hapla (Nematoda)
HEVEA:
‡*Phomopsis heveae* (Deuteromycetes)
HORDEUM:
†*Septoria nodorum* (Deuteromycetes)
HOSTA:
Meloidogyne arenaria (Nematoda)
M. incognita acrita (Nematoda)
HYDROSME:
Meloidogyne javanica (Nematoda)
HYMENOCALLIS:
†*Cercospora pancratii* (Deuteromycetes)
IONOPSIS:
Sphenospora kevorkianii (Promycetes)
IRIS:
Ditylenchus destructor (Nematoda)
Meloidogyne arenaria (Nematoda)
†*Puccinia iridis* (Promycetes)
JASMINUM:
†*Meloidogyne javanica* (Nematoda)
JUGLANS:
‡*Gnomonia leptostyla* (Ascomycetes)
†*Marssonina juglandis* (Deuteromycetes)
JUNIPERUS:
Gymnosporangium haraeanum (Promycetes)
KERRIA:
Phoma japonica (Deuteromycetes)
LABURNUM:
†*Coniothryium cytisellum* (Deuteromycetes)

See footnotes at end of this list.

Hosts and Diseases—Continued

LACTUCA:
Meloidogyne incognita acrita (Nematoda)
LAELIA:
Uredo behnickiana (Promycetes)
LAGURUS:
‡*Puccinia laguri* (Promycetes)
LAURUS:
Septoria carrubi (Deuteromycetes)
LENS:
†*Ascochyta pisi* (Deuteromycetes)
†*Uromyces fabae* (Promycetes)
LEONTOPODIUM:
†*Meloidogyne hapla* (Nematoda)
LESPEDEZA:
Uromyces lespedezae-procumbentis (Promycetes)
LEUCAENA:
‡*Ravenelia leucaenae* (Promycetes)
LILIUM(?):
Meloidogyne incognita (Nematoda)
LIMONIUM:
†*Uromyces limonii* (Promycetes)
LOCKHARTIA:
Uredo guacae (Promycetes)
LYCIUM:
‡*Phoma importata* (Deuteromycetes)
LYCOPERSICON:
Corynespora cassiicola (Deuteromycetes)
Phytophthora mexicana(?) (Phycomycetes)
MAGNOLIA:
Diaporthe eres (Ascomycetes)
MALUS:
Monilinia fructigena (Ascomycetes)
Phlyctaena vagabunda (Deuteromycetes)
‡*Zygophiala jamaicensis* (Deuteromycetes)
MANGIFERA:
†*Elsinoe mangiferae* (Acsomycetes)
MANIHOT:
‡*Cercospora henningsii* (Deuteromycetes)
MARANTA:
Meloidogyne incognita (Nematoda)
MAXILLARIA(?):
Uredo guacae (Promycetes)
MEDICAGO:
†*Pseudopeziza medicaginis* (Ascomycetes)
Uromyces striatus (Promycetes)
MENTHA:
†*Phyllosticta decidua*(?) (Deuteromycetes)
†*Pratylenchus penetrans* (Nematoda)
MORMODES:
†*Uredo gynandrearum* (Promycetes)
MORUS:
Cercosporella mori (Deuteromycetes)
MUSA:
†*Cordana musae* (Deuteromycetes)
‡*Radopholus similis* (Nematoda)
NARCISSUS:
Aphelenchoides subtenuis (Nematoda)
Ditylenchus dipsaci (Nematoda)
ODONTOGLOSSUM:
†*Cercospora angraeci* (Deuteromycetes)
†*C. odontoglossi* (Deuteromycetes)
Uredo guacae (Promycetes)
OLEA:
‡*Diplodia oleae* (Deuteromycetes)
†*Macrophoma oleae* (Deuteromycetes)
ONCIDIUM:
Sphenospora kevorkianii (Promycetes)
S. mera (Promycetes)
Uredo behnickiana (Promycetes)
U. epidendri (Promycetes)
U. nigropuncta (Promycetes)
†*U. oncidii* (Promycetes)
OPUNTIA:
Coniothryium globulisporum (Deuteromycetes)
ORCHID:
†*Septoria selenophomoides* (Deuteromycetes)
Sphenospora mera (Promycetes)
Uredo behnickiana (Promycetes)
†*U. epidendri* (Promycetes)
U. guacae (Promycetes)
U. nigropuncta (Promycetes)

ORNITHOGALUM:
‡*Marmor scillearum* (Virus)
‡*Rhizoctonia microsclerotia*(?) (Deuteromycetes)
ORYZA:
Cercospora oryzae (Deuteromycetes)
‡*Dinemasporium oryzae* (Deuteromycetes)
†*Diplodia oryzae* (Deuteromycetes)
†*Entyloma oryzae* (Promycetes)
†*Helminthosporium oryzae* (Deuteromycetes)
†*Leptosphaeria oryzina* (Ascomycetes)
Mycosphaerella hondai (Ascomycetes)
†*M. oryzae* (Ascomycetes)
Neovossia horrida (Promycetes)
†*Nigrospora oryzae* (Deuteromycetes)
†*N. sphaerica* (Deuteromycetes)
‡*Phoma oryzae* (Deuteromycetes)
Septoria oryzae (Deuteromycetes)
PAEONIA:
Aphelenchoides fragariae (Nematoda)
Meloidogyne hapla (Nematoda)
PASPALUM(?):
†*Ascochyta graminicola*(?) (Deuteromycetes)
PHAJUS:
Meloidogyne javanica (Nematoda)
†*Uredo behnickiana* (Promycetes)
PHALARIS(?):
†*Lophodermium arundinaceum* (Ascomycetes)
PHASEOLUS:
Ascochyta pisi (Deuteromycetes)
‡*Nematospora coryli* (Ascomycetes)
PHLOX:
‡*Corynebacterium fascians* (Schizomycetes)
Pratylenchus penetrans (Nematoda)
PHRAGMITES:
†*Scirrhia rimosa* (Ascomycetes)
PICEA:
†*Thecopsora areolata* (Promycetes)
PIERIS:
‡*Phyllosticta andromedae* (Deuteromycetes)
PIMENTA:
‡*Puccinia psidii* (Promycetes)
PISUM:
†*Ascochyta pisi* (Deuteromycetes)
Colletotrichum dematium f. truncata (Deuteromycetes)
†*Septoria pisi* (Deuteromycetes)
PLUMERIA:
Coleosporium plumeriae (Promycetes)
POLIANTHES:
Meloidogyne javanica (Nematoda)
PRIMULA:
†*Ramularia primulae* (Deuteromycetes)
PROTEA:
‡*Leptosphaeria protearum* (Ascomycetes)
‡*Oligostroma proteae* (Ascomycetes)
PRUNUS DOMESTICA:
‡*Phyllosticta congesta* (Deuteromycetes)
PRUNUS PERSICA:
†*Coryneum carpophilum* (Deuteromycetes)
PSIDIUM:
Cercospora psidii (Deuteromycetes)
‡*Phyllostictina psidiicola* (Deuteromycetes)
PUNICA:
Cercospora punicae (Deuteromycetes)
Sphaceloma punicae (Deuteromycetes)
PYRETHRUM:
Meloidogyne hapla (Nematoda)
PYRUS:
‡*Corticium centrifugum* (Basidomycetes)
QUERCUS:
‡*Lophodermium maculare* (Ascomycetes)
RAPHANUS:
Meloidogyne incognita (Nematoda)
RHODENDODRON:
†*Cercospora handelii* (Deuteromycetes)
Chrysomyxa ledi var. *rhododendri* (Promycetes)
Septoria azaleae (Deuteromycetes)
Venturia rhododendri (Ascomycetes)
ROSA:
‡*Marmor rosae* (Virus)
†*Meloidogyne hapla* (Nematoda)
‡*Septocylindrium candidum* (Deuteromycetes)

See footnotes at end of this list.

Hosts and Diseases—Continued

RUDBECKIA:
Fusarium oxysporum (Deuteromycetes)
SACCHARUM:
†*Cytospora sacchari* (Deuteromycetes)
SALIX:
†*Cytospora chrysosperma* (Deuteromycetes)
Meloidogyne incognita acrita (Nematoda)
‡*Septoria santonensis*(?) (Deuteromycetes)
SANSEVIERIA:
Meloidogyne incognita acrita (Nematoda)
Scutellonema brachyurum (Nematoda)
SCABIOSA:
Meloidogyne hapla (Nematoda)
SCILLIA:
Ditylenchus dipsaci (Nematoda)
Meloidogyne javanica (Nematoda)
SECHIUM:
‡*Septoria cucurbitacearum* (Deuteromycetes)
SOIL:
Criconemoides mutabile (Nematoda)
†*Gottholdsteineria goodeyi* (Nematoda)
†*Helicotylenchus erythrinae* (Nematoda)
H. multicinctus (Nematoda)
†*H. nannus* (Nematoda)
†*Heterodera avenae* (Nematoda)
†*H. cacti* (Nematoda)
†*H. humuli*(?) (Nematoda)
†*H. punctata* (Nematoda)
H. rostochiensis (Nematoda)
‡*Hoplolaimus proporicus* (Nematoda)
Meloidogyne arenaria (Nematoda)
M. incognita (Nematoda)
M. incognita acrita (Nematoda)
†*Pratylenchus brachyurus* (Nematoda)
†*P. penetrans* (Nematoda)
P. pratensis (Nematoda)
Psilenchus hilarulus (Nematoda)
†*Radopholus similis*(?) (Nematoda)
†*Rotylenchus robustus* (Nematoda)
Scutellonema brachyurum (Nematoda)
†*S. bradys* (Nematoda)
Tylenchorhynchus capitatus (Nematoda)
†*T. dubius* (Nematoda)
‡*T. leptus* (Nematoda)
‡*T. nothus* (Nematoda)
†*Tylenchus davainei* (Nematoda)
‡*T. thornei* (Nematoda)
†*Xiphinema americanum* (Nematoda)
SOLANUM:
Meloidogyne arenaria (Nematoda)
†*M. hapla* (Nematoda)
M. incognita (Nematoda)
†*M. incognita acrita* (Nematoda)
M. javanica (Nematoda)
Oospora pustulans (Deuteromycetes)
Pratylenchus brachyurus (Nematoda)
SORGHUM:
†*Colletotrichum graminicola* (Deuteromycetes)
†*Phoma insidiosa* (Deuteromycetes)
STACHYS:
Meloidogyne hapla (Nematoda)
STACHYTARPHETA:
Puccinia urbaniana (Promycetes)
TAXUS:
‡*Sphaerulina taxicola* (Ascomycetes)
TRIFOLIUM:
†*Uromyces trifolii* (Promycetes)
TRITICUM:
†*Anguina tritici* (Nematoda)
Nigrospora sphaerica (Deuteromycetes)
Puccinia striiformis (Promycetes)
VICIA:
Ascochyta pisi(?) (Deuteromycetes)
Uromyces fabae (Promycetes)
VINCA:
Meloidogyne incognita acrita (Nematoda)
VIOLA:
†*Puccinia violae* (Promycetes)
VITIS:
†*Angiopsora ampelopsidis* (Promycetes)
Coniella diplodiella (Deuteromycetes)
WISTERIA:
†*Meloidogyne arenaria* (Nematoda)
WITH LEPIDOSAPHES BECKII ON CITRUS RETICULATA VAR.:
‡*Septobasidium lepidosaphis* (Basidomycetes)
XANTHOSOMA:
Meloidogyne javanica (Nematoda)
YUCCA:
†*Coniothyrium concentricum* (Deuteromycetes)
‡*Leptosphaeria obtusispora* (Ascomycetes)
Stagonospora macrospora (Deuteromycetes)
Stomatogene agaves (Ascomycetes)
ZANTEDESCHIA:
Meloidogyne arenaria (Nematoda)
M. incognita (Nematoda)
ZEBRINA:
†*Uromyces commelinae* (Promycetes)
ZINGIBER:
Meloidogyne arenaria (Nematoda)
M. incognita acrita (Nematoda)
†*M. javanica* (Nematoda)
ZINGIBERACEAE:
†*Meloidogyne javanica* (Nematoda)
ZYGOPETALUM:
Uredo guacae (Promycetes)

Hosts Unknown

PLANT—UNIDENTIFIED:
‡*Criconemoides informe* (Nematoda)
Pratylenchus pratensis (Nematoda)
SOD:
Helicotylenchus erythrinae (Nematoda)

A dagger (†) indicates a first interception from the country of origin.
A double dagger (‡) indicates a first interception by Division inspectors.

Countries of Origin and Diseases

AFGHANISTAN:
Puccinia striiformis
AFRICA (country(?))
Erwinia citrimaculans(?)
Phoma citricarpa
ALGERIA:
†*Meloidogyne javanica*
AMERICAN VIRGIN ISLANDS:
†*Helicotylenchus nannus*
ARGENTINA:
‡*Cercospora grandissima*
‡*Corticium centrifugum*
†*Cytospora sacchari*
Ditylenchus dipsaci
Elsinoe australis
Heterodera rostochiensis
Meloidogyne arenaria
M. incognita
†*M. incognita acrita*
†*M. javanica*
†*Phoma citricarpa*
‡*P. importata*
Xanthomonas sp. (Cancrosis B)
ARGENTINA(?):
Uromyces striatus
AUSTRALIA:
†*Coniothecium scabrum*
†*Hendersonia citri*
‡*H. socia*
Macrophoma araucariae
Meloidogyne javanica
Phoma citricarpa
†*Pratylenchus penetrans*
†*Puccinia horiana*
Septoria depressa
Sphaceloma fawcettii var. *scabiosa*
AUSTRIA:
Chrysomyxa ledi var. *rhododendri*
†*Heterodera cacti*
Thecopsora areolata
AZORES:
Heterodera rostochiensis
Pratylenchus penetrans
†*Rotylenchus robustus*
Scutellonema brachyurum
BAHAMAS:
†*Sphenospora kevorkianii*
Uredo nigropuncta
BARBADOS:
†*Meloidogyne incognita*
BELGIUM:
Aphelenchoides fragariae
†*Coniothyrium cytisellum*
Heterodera rostochiensis
†*Mycosphaerella fragariae*
Pseudomonas marginalis
†*Tylenchorhynchus dubius*
BOLIVIA:
Uredo guacae
BRAZIL:
Elsinoe australis
†*Heterodera cacti*
Meloidogyne incognita acrita
M. javanica
Phoma citricarpa
Pratylenchus brachyurus
Uredo behnickiana
Xanthomonas sp. (Cancrosis B)
BRITISH GUIANA:
†*Puccinia thaliae*
BRITISH HONDURAS:
†*Mycosphaerella cattleyae*
†*Pratylenchus brachyurus*
Uredo epidendri
BRITISH SAMOA:
†*Eutypella cocos*
†*Macrophoma cocos*
CANADA:
Chrysomyxa ledi var. *rhododendri*
†*Entomosporium maculatum*
Helicotylenchus erythrinae
Meloidogyne hapla
‡*Phyllosticta innumerabilis*
†*Pratylenchus pratensis*
‡*Ramularia celastri*
CANAL ZONE:
Meloidogyne incognita acrita
Uredo epidendri
U. guacae
U. oncidii(?)
CANARY ISLANDS:
Heterodera rostochiensis
CEYLON:
†*Colletotrichum graminicola*
†*Helicotylenchus nannus*
†*Meloidogyne incognita acrita*
Xanthomonas citri
CHILE:
Meloidogyne arenaria
†*M. hapla*
M. incognita acrita
†*Pseudopeziza medicaginis*
†*Uromyces fabae*
CHINA:
‡*Heteropatella setulosa*
Phoma citricarpa
Xanthomonas citri
COLOMBIA:
†*Meloidogyne javanica*
COSTA RICA:
‡*Asterina raripoda*(?)
†*Cercospora angraeci*
Uredo behnickiana
U. epidendri
U. guacae
†*U. gynandrearum*
U. oncidii
CUBA:
Curvularia lunata
Meloidogyne incognita acrita
M. javanica
Scutellonema bradys
‡*Septobasidium lepidosaphis*
†*Uredo behnickiana*
U. guacae
CURACAO:
†*Septoria citri*
CYPRUS:
Septoria citri
CZECHOSLOVAKIA:
Dendrophoma obscurans
†*Discohainesia oenotherae*
†*Ditylenchus destructor*(?)
Heterodera avenae
†*Meloidogyne hapla*
†*Phyllosticta fragaricola*
†*Septoria aciculosa*
‡*Zythia fragariae*
DENMARK:
Coniella diplodiella
Heterodera avenae
Oospora pustulans
†*Papulaspora parasitica*
‡*Pratylenchus convallariae*
‡*Tylenchorhynchus nothus*
DOMINICAN REPUBLIC:
Meloidogyne incognita
†*Scutellonema bradys*
Sphenospora kevorkianii
ECUADOR:
Heterodera rostochiensis(?)
†*Micropeltis bakeri*
†*Septoria selenophomoides*
Sphenospora mera
Uredo epidendri
U. guacae
EGYPT:
Meloidogyne incognita acrita
EL SALVADOR:
Uredo oncidii
ENGLAND:
Aphelenchoides fragariae
Ditylenchus destructor
D. dipsaci
Heterodera avenae
H. cacti
H. punctata
H. rostochiensis
‡*Macrophoma frazini*
†*Meloidogyne arenaria*

See footnotes at end of this list.

Countries of Origin and Diseases—Continued

ENGLAND—Continued
M. hapla
M. incognita acrita
‡*Pratylenchus convallariae*
†*P. penetrans*
Puccinia arenariae
Rotylenchus robustus
ENIWETOK:
†*Phoma citricarpa*
EUROPE (country)(?)
‡*Septocylindrium candidum*
FEDERATION OF MALAYA:
Phoma citricarpa
‡*Phomopsis heveae*
FINLAND:
†*Helicotylenchus erythrinae*
†*Tylenchorhynchus leptus*
FORMOSA:
‡*Heteropatella setulosa*
Phoma citricarpa
†*Uredo ignava*
FRANCE:
Alternaria dianthi
†*Cercospora odontoglossi*
†*Dendrophoma obscurans*
Ditylenchus destructor(?)
Heterodera avenae
H. cacti
H. punctata
H. rostochiensis
†*Leptothyrium gentianicola*
Meloidogyne incognita acrita
†*Pratylenchus penetrans*
†*Rotylenchus robustus*
‡*Septoria tosevi*
†*Thecopsora areolata*
†*Tylenchorhynchus leptus*
†*Tylenchus davainei*
FRENCH WEST AFRICA:
Meloidogyne incognita acrita
M. javanica
GERMANY:
Chrysomyza ledi var. *rhododendri*
†*Dendrophoma obscurans*
Ditylenchus destructor
D. dipsaci
‡*Gnomonia leptostyla*
†*Gottholdsteineria goodeyi*
Heterodera avenae
H. cacti
H. punctata
H. rostochiensis
†*Lophodermium arundinaceum*
†*Marssonina juglandis*
Meloidogyne hapla
M. incognita
†*Pratylenchus penetrans*
†*Ramularia primulae*
Rotylenchus robustus
†*Scirrhia rimosa*
†*Septoria aciculosa*(?)
Tylenchus davainei
‡*Zythia fragariae*
GREECE:
†*Fusicladium eriobotryae*
GUAM:
†*Diplodia coccocarpa*
GUATEMALA:
†*Marmor rosae*
Meloidogyne arenaria
Uredo nigropuncta
U. oncidii
HAITI:
†*Elsinoe mangiferae*
†*Uredo epidendri*
HAWAII:
†*Macrophoma araucariae*
†*Phomopsis euphorbiae*
‡*Radopholus similis*
Uromyces alyxiae
HAWAII(?):
†*Meliola citricola*

HONDURAS:
†*Meloidogyne incognita*
†*Sphenospora kevorkianii*
Uredo epidendri
U. oncidii
HONG KONG:
†*Entyloma oryzae*
†*Helminthosporium oryzae*
‡*Hypoxylon mediterraneum*
†*Leptosphaeria oryzina*
†*Meloidogyne arenaria*
†*M. incognita acrita*
M. javanica
†*Nigrospora sphaerica*
Phoma citricarpa
Xanthomonas citri
INDIA:
†*Coniothecium scabrum*
Entyloma oryzae
†*Leptosphaeria oryzina*
Meloidogyne javanica
Xanthomonas citri
INDIA(?):
Phoma citricarpa
IRAQ:
†*Uromyces trifolii*
IRELAND:
†*Cytospora chrysosperma*
Gottholdsteineria goodeyi
Heterodera punctata
H. rostochiensis
ISRAEL:
Meloidogyne javanica
†*Puccinia antirrhini*
ITALY:
†*Anguina tritici*
Aphelenchoides subtenuis
Ascochyta pisi
†*Coniothecium citri*(?)
Ditylenchus dipsaci
Helicotylenchus erythrinae
Heterodera punctata
Meloidogyne incognita acrita
M. javanica
Monilinia fructigena
Phlyctaena vagabunda
†*Ramularia tulasnei*
Septoria citri
†*S. nodorum*
†*S. pisi*
†*Tylenchorhynchus dubius*
Tylenchulus semipenetrans
Uromyces fabae
†*U. limonii*
JAMAICA:
‡*Puccinia psidii*
Sphenospora kevorkianii
Uredo behnickiana
U. nigropuncta
†*Uromyces commelinae*
†*U. hedysari-paniculati*
JAPAN:
Alternaria dianthi
†*Angiopsora ampelopsidis*
Aphelenchoides fragariae
Ascochyta pisi
†*Cercospora handelii*
Diaporthe eres
‡*Dinemasporium oryzae*
†*Diplodia oryzae*
†*Ditylenchus destructor*(?)
Entyloma oryzae
Gymnosporangium haraeanum
Heterodera avenae
†*H. punctata*(?)
†*Marssonina fragariae*
Meloidogyne arenaria
M. arenaria thamesi
M. hapla
M. incognita
M. incognita acrita
M. javanica

See footnotes at end of this list.

Countries of Origin and Diseases—Continued

JAPAN—Continued
Mycosphaerella hondai
†*M. oryzae*
M. schoenoprasi
Neovossia horrida
†*Nigrospora oryzae*
N. sphaerica
†*Pestalotia cycadis*
Phoma citricarpa
‡*P. oryzae*
‡*Phomopsis camelliae*
‡*Phyllachora shiraiana*
Puccinia horiana
P. striiformis
Septoria oryzae
Uromyces lespedezae-procumbentis
Xanthomonas citri
LEBANON:
‡*Diplodia oleae*
†*Pleospora herbarum*
MEXICO:
†*Ascochyta graminicola*(?)
A. pisi
Cercospora oryzae
‡*C. pancratii*
C. psidii
Cercosporella mori
Coleosporium plumeriae
Colletotrichum dematium f. *truncata*
Coniothyrium globulisporum
†*Cordana musae*
Corynespora cassiicola
‡*Criconemoides informe*
C. mutabile
†*Curvularia geniculata* group
†*Cytospora palmicola*
Ditylenchus dipsaci
Elsinoe mangiferae
Entyloma oryzae
‡*Gibbera compacta*(?)
"Greasy spot"
Helicotylenchus multicinctus
H. nannus
Heterodera cacti
H. punctata
H. rostochiensis
"Leprosis"
‡*Leptosphaeria obtusispora*
‡*Lophodermium maculare*
†*Macrophoma oleae*
Meloidogyne arenaria
†*M. arenaria thamesi*(?)
M. incognita
M. incognita acrita
M. javanica
†*Pestalotia bromeliicola*
Phomopsis cinerescens(?)
‡*Phyllosticta congesta*
†*P. decidua*(?)
Phytophthora mexicana(?)
Pratylenchus pratensis
Psilenchus hilarulus
‡*Ravenelia leucaenae*
R. papillifera
Ring spot virus
Scutellonema brachyurum
Septoria carrubi
S. citri
‡*S. cucurbitacearum*
‡*S. santonensis*(?)
Sphaceloma punicae
Stagonospora macrospora
Stomatogene agaves
Tylenchorhynchus capitatus
‡*Tylenchus thornei*
Uredo behnickiana
U. guacae
U. oncidii
Uromyces striatus
†*Xiphinema americanum*
‡*Zygophiala jamaicensis*

MOZAMBIQUE:
Phoma citricarpa
†*Septoria pisi*
NETHERLANDS:
†*Alternaria porri*
Aphelenchoides fragariae
‡*Coniothyrium aucubae*
†*C. concentricum*
‡*Corynebacterium fascians*
‡*Cryptocline paradoxa*
†*Dendrophoma obscurans*
Ditylenchus dipsaci
Fusarium oxysporum
†*Gottholdsteineria goodeyi*
Heterodera avenae
†*H. cacti*
H. rostochiensis
‡*Marmor scillearum*
Meloidogyne arenaria
M. hapla
†*M. incognita acrita*
Phoma japonica
Phomopsis pustulata
‡*Phyllosticta andromedae*
†*P. hederacea*
Pratylenchus penetrans
Puccinia arenariae
†*P. iridis*
‡*Rhizoctonia microsclerotia*(?)
Septoria azaleae
†*Tylenchorhynchus dubius*
Venturia rhododendri
NEW GUINEA:
†*Meloidogyne javanica*
NEW ZEALAND:
†*Macrophoma araucariae*
†*Meloidogyne hapla*
NICARAGUA:
‡*Hoplolaimus proporicus*
†*Uredo oncidii*
NORFOLK ISLAND:
Macrophoma araucariae
NORWAY:
†*Gottholdsteineria goodeyi*
Heterodera rostochiensis
OKINAWA:
†*Papularia sphaerosperma*
†*Phoma citricarpa*
PANAMA:
†*Radopholus similis*(?)
Uredo guacae
PARAGUAY:
Elsinoe australis
†*Neocosmospora vasinfecta*
†*Puccinia arachidis*
PERU:
†*Coryneum carpophilum*
Heterodera rostochiensis
Meloidogyne arenaria
‡*Nematospora coryli*
Uromyces striatus
PHILIPPINES:
†*Albugo platensis*
‡*Diplodia barringtoniae*
†*Macrophoma cocos*
Phoma citricarpa
‡*Phyllostictina psidiicola*
Ustilago coicis
Xanthomonas citri
POLAND:
Heterodera rostochiensis
PORTUGAL:
†*Heterodera avenae*
‡*Puccinia carthami*
PUERTO RICO:
†*Cercospora coffeicola*
C. punicae
Elsinoe mangiferae
Meloidogyne javanica
Puccinia urbaniana

See footnotes at end of this list.

Countries of Origin and Diseases—Continued

SCOTLAND:
Helicotylenchus erythrinae
Heterodera punctata
H. rostochiensis
†*Puccinia violae*
SINGAPORE:
Phoma citricarpa
SPAIN:
†*Ascochyta pisi*
Ditylenchus dipsaci
†*Meloidogyne arenaria*
†*M. hapla*
†*M. incognita acrita*
‡*Puccinia laguri*
Septoria citri
SWEDEN:
Heterodera rostochiensis
Oospora pustulans
‡*Sphaerulina taxicola*
SWITZERLAND:
Chrysomyxa ledi var. *rhododendri*
‡*Corynebacterium fascians*
Heterodera cacti
TANGANYIKA:
†*Phoma insidiosa*
TRINIDAD:
‡*Cercospora henningsii*
Meloidogyne incognita
M. incognita acrita
†*M. javanica*
Scutellonema bradys
TURKEY:
†*Pleospora herbarum*
UNION OF SOUTH AFRICA:
†*Cercospora handelii*
†*Ditylenchus destructor*
‡*Leptosphaeria protearum*
Meloidogyne javanica
‡*Oligostroma proteae*
Phoma citricarpa
‡*Pratylenchus coffeae*
†*P. penetrans*
†*Puccinia cynodontis*
UNION OF SOVIET SOCIALIST REPUBLICS:
†*Ascochyta pisi*
UNKNOWN:
Chrysomyxa ledi var. *rhododendri*
Elsinoe australis
Heterodera rostochiensis
Phoma citricarpa
Septoria citri
Xanthomonas citri
URUGUAY:
†*Xanthomonas* sp. (Cancrosis B)
VENEZUELA:
†*Uredo oncidii*
VIETNAM(?):
†*Phoma citricarpa*
YUGOSLAVIA:
†*Cladosporium graminum*
†*Heterodera humuli*(?)

A dagger (†) indicates a first interception from the country named.
A double dagger (‡) indicates a first interception by Division inspectors.

☆U. S. GOVERNMENT PRINTING OFFICE: 1960—540436